AV-21H2EN

JVC

SERVICE MANUAL

21" COLOUR TV

AV-21H2EN

Supplementary

BASIC CHASSIS
JXIII

The following items for the AV-21H2E model were changed from those of the AV-21H1EN model. Therefore, this service manual describes only the items which differ from those of the AV-21H1E service manual.
For details other than those described in this manual, please refer to the AV-21H1E service manual

1.OUTLINE OF CHANGES

FRONT CABINET ASSY AND REAR COVER ARE CHANGED.

2.PARTS LIST DIFFERENCE BETWEEN AV-21H1EN AND AV-21H2EN MODELS

EXPLODED VIEW PARTS LIST (Page 25)

⚠	REF. No.	PARTS No.		PARTS NAME	REMARKS	
		AV-21H1EN	AV-21H2EN			
	10	CM11762-A03-E	CM11762-005-E	AV TERMINAL BASE		*
⚠	11	QMP40C0-200K	AEEMP001-200	POWER CORD		*
	13	CM11771-D01-ME	CM11771-003-E	REAR COVER		*
	15	CM35850-006-E	CM35850-008-E	RATING LABEL		*
	100	CM12424-B0C-E	CM12424-00F-E	FRONT CABINET ASSY	Include No.101～106	*
	102	CM35753-B01-E	CM35753-002-E	SUB POWER KNOB		*
	105	CM35754-001	CM35754-002	REMOCON WINDOW		*
	106	CM22650-A01-E	CM22650-002-E	DOOR		*
	200	21H1SP-L-SA	21H2SP-L-SE	SP GRILL SA(L)	Include No.301～303	*
	300	21H1SP-R-SA	21H2SP-R-SE	SP GRILL SA(R)	Include No.301～303	*
	303	CM22035-001	CM22035-002-E	PUNCHING METAL	x2	*

PACKING PARTS LIST (Page 43)

⚠	REF. No.	PARTS No.		PARTS NAME	REMARKS	
		AV-21H1EN	AV-21H2EN			
⚠	7	AV-21H1EN-IBAE	AV-21H2EN-IBAE	INST BOOK		*
	9	AEM1005-082-E	AEM1029-053-E	EURO LABEL		*

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No.50785C
Jun.1994

JVC
VICTOR COMPANY OF JAPAN,LIMITED
TELEVISION RECEIVER DIVISION 1106 Heta,Iwai-city,Ibaraki-prefecture,306-06,Japan

21H2EN-CKD (#003)

Printed in Japan
9406 VP
M.H.

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21" COLOUR TV

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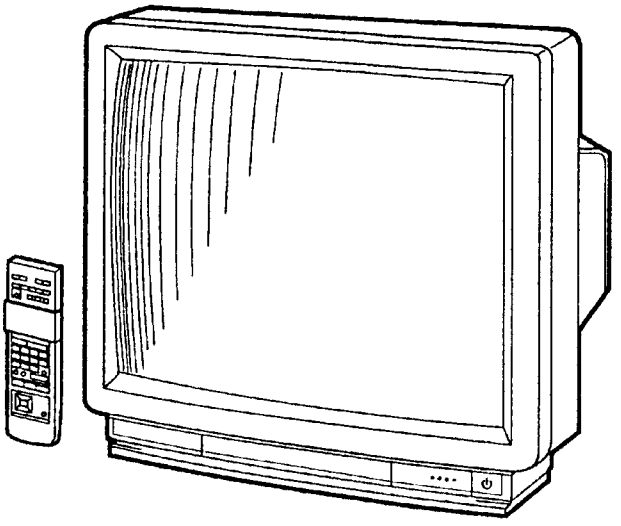

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No.50782
Apr.1993

SPECIFICATIONS

Item	Content
Type	Colour Television
TV RF System	CCIR B / G
Color System	PAL / SECAM
Stereo System	A2 (West Germany system)
TEXT System	TOP (West Germany system)
Number of Program Channel	00(AV), 01～99
Recieving Channel and Frequency	VHF (VL: E2-E4, A-C) :47-88 MHz (VH: E5-E12, D-H) :174-230 MHz UHF (U: E21-E69) :470-862 MHz CATV (MID: X-Z + 2) :68-103 MHz (S1-S20 7MHz) :104-470MHz (S21-S41 8MHz)
Intermediate Frequency	V.IF = 38.9MHz, S.IF = 33.4MHz
Colour Sub Carrier	PAL (4.43MHz) SECAM (4.40625 / 4.25MHz)
Aerial Input Impedance	75Ω,Unbalanced
Power Input	AC 220～240V,50Hz
Power Consumption	110W
Picture Tube	51cm diagonally measured; FST (Flat-square tube)
High Voltage	28kV ±1kV(at zero beam current)
Audio Power Output	Music Power : 15W + 15W (Speaker select switch set to "INT + EXT", when 8-ohm external speakers connected.) : 10W + 10W (Speaker select switch set to "INT + EXT".)
Speaker	10cm Round ×2
Conection Terminal	
EXT 1	21pin Euroconnector (SCART)
EXT 2	21pin Euroconnector (SCART)
EXT 3	S- video input 4pin DIN Audio inputs 2×RCA
Speaker Terminals	External Speaker, Impedance = 8～16Ω
Dimensions (W×H×D)	505×471×489mm
Weight	25.0kg
Accessories	Remote control unit (RM-C860C-E)×1 "AA (R6)" size dry cell battery ×2

Design & specification subject to change without notice.

SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠)on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual many create shock, fire, or other hazards.
4. **Don't short between the LIVE side ground and NEUTRAL side grounding or EARTH side ground when repairing.**
   Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE (⊥) side GND, the NEUTRAL(⏚) side GND and EARTH (⏚) side GND. Don't short between the LIVE side GND and NEUTRAL side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and NEUTRAL side GND or EARTH side GND at the same time.
   If above note will not be kept, a fuse or any parts will be broken.
5. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B_1 POWER SUPPLY).
6. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approvided by the manufacturer of the complete product.
7. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
8. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
9. **Isolation Check**
   (Safety for Electrical Shock Hazard)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

• Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.35V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

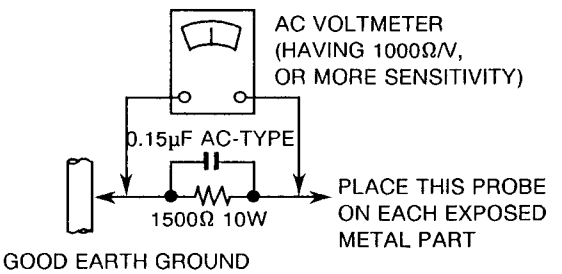
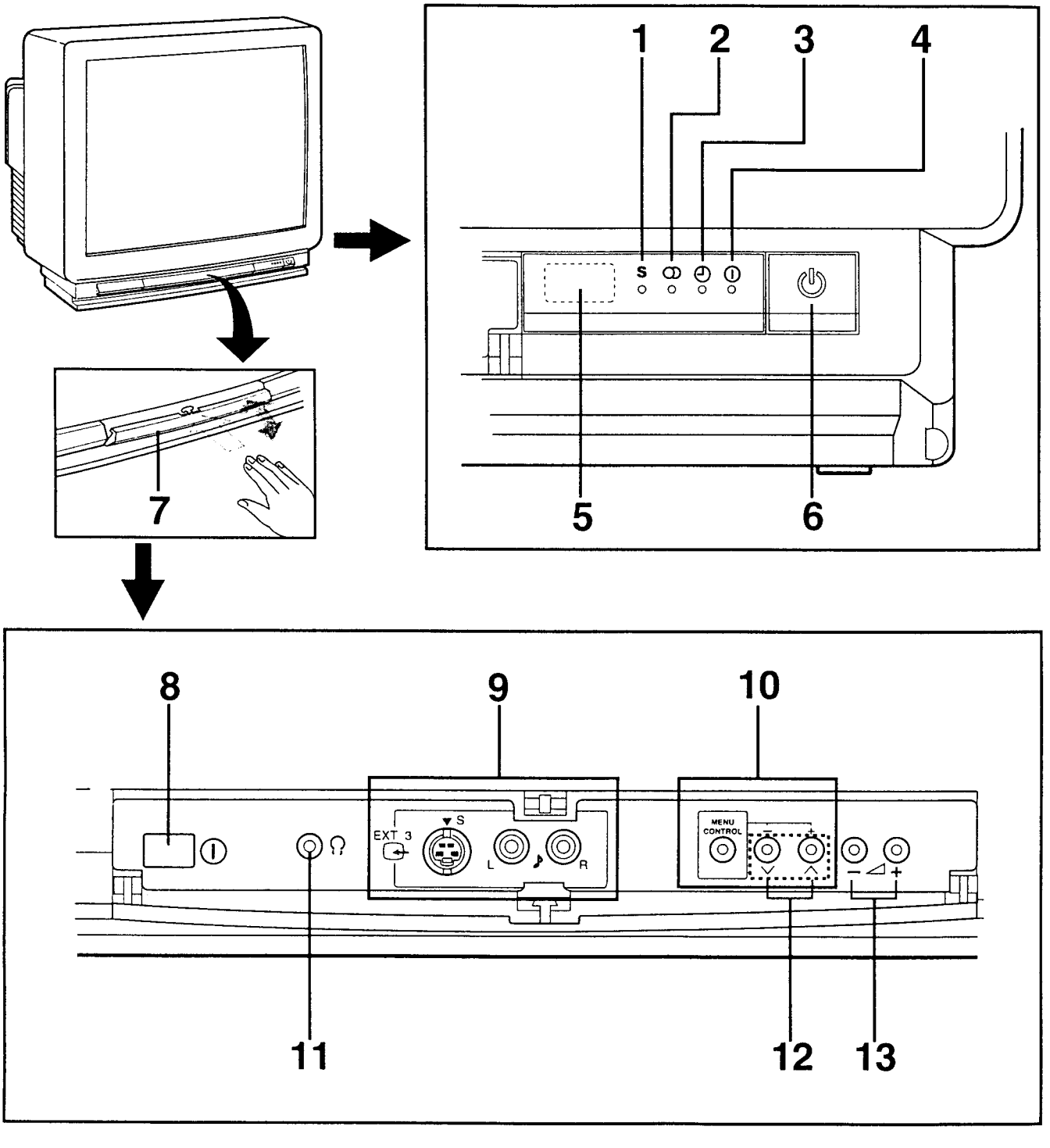


Fig.A

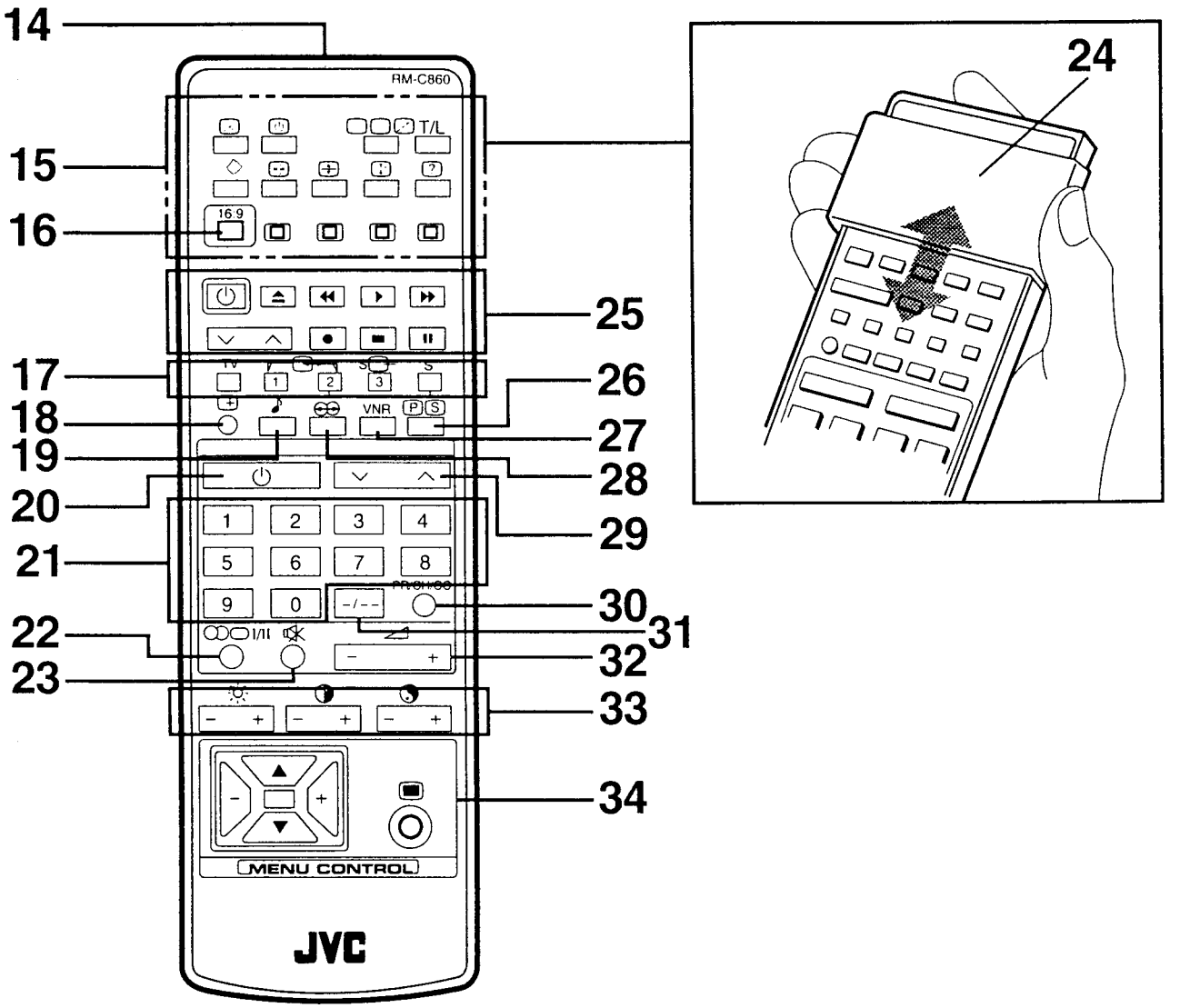
FUNCTIONS

■ Front Panel



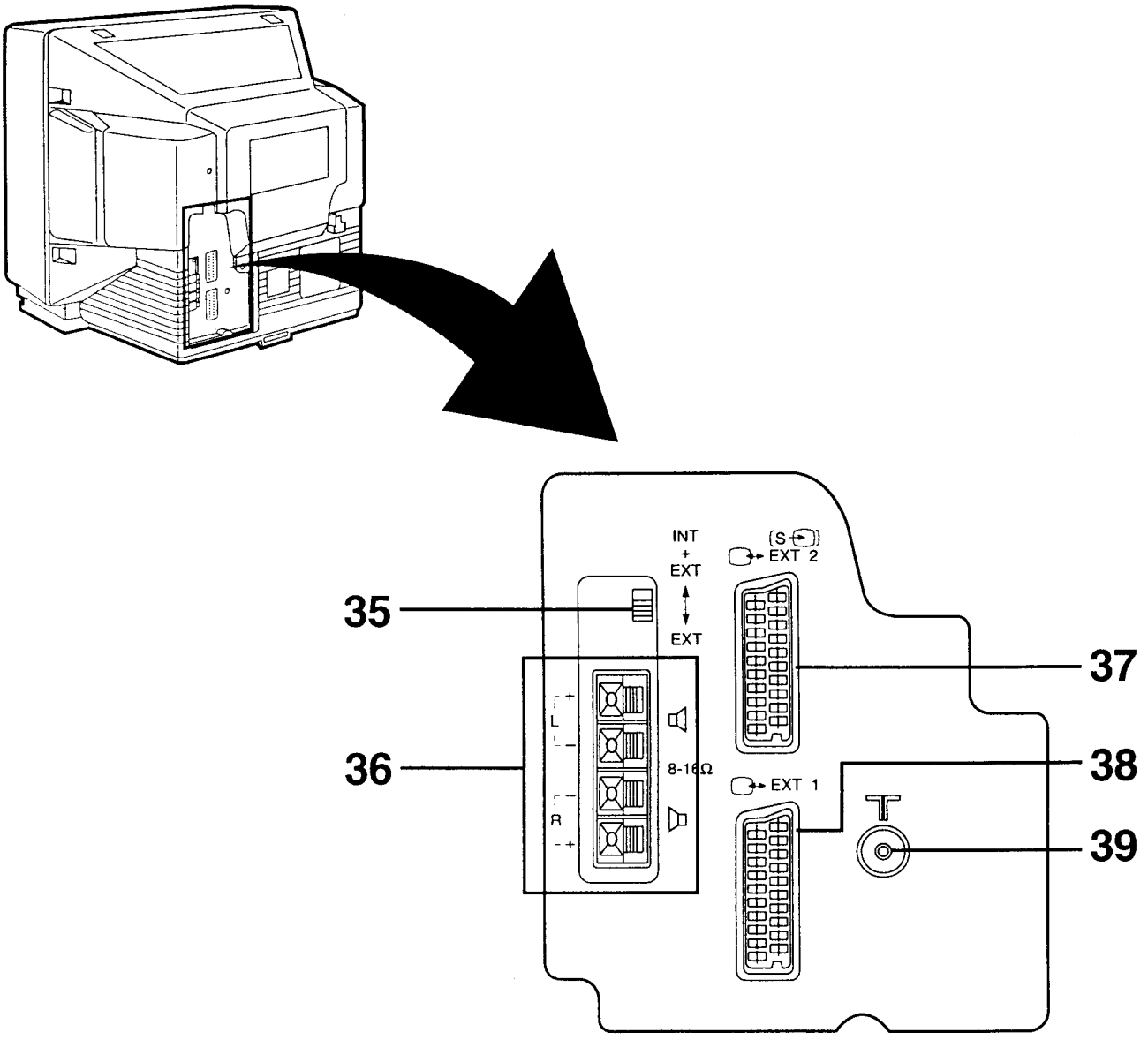
1. S-input select indicator (yellow)
2. Sound multiplex indicator (green)
3. Timer indicator (orange)
4. Power indicator
   (Main power ON: red
   Power ON: green)
5. Remote Control sensor
6. Power button (⏻)
7. Front panel door
8. Main power button (⏼)
9. EXT 3 connectors (⇄)
10. "MENU CONTROL" operating section (front panel)
11. Headphone jack (∩)
12. Channel access buttons (∨ /∧)
13. Volume buttons (◿)

■ Remote Control



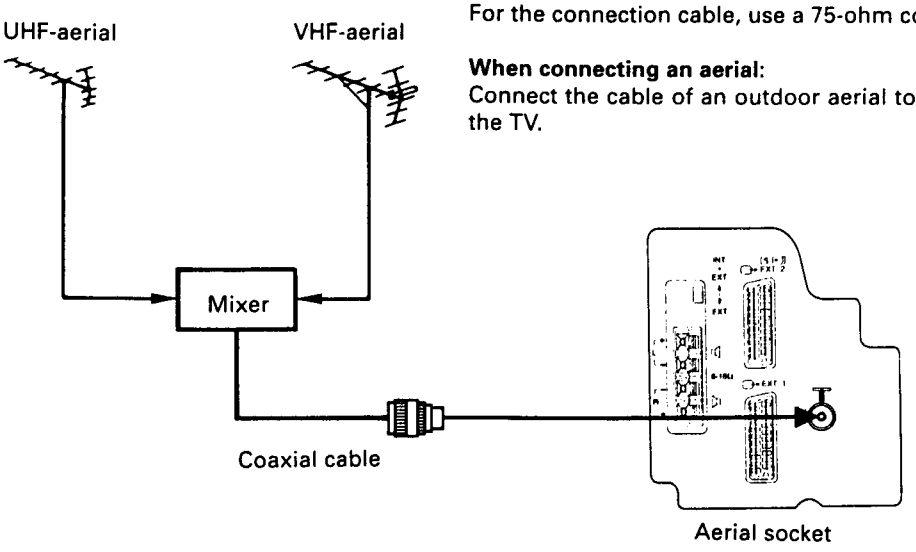
14. Remote Control signal emitting window (Point this directly at the front panel Remote Control sensor window)
15. Teletext operating section
16. 16:9 button (Aspect ratio 4:3/16:9)
17. Input mode select buttons
18. Display button ( )
19. Tone select button ( )
20. Power button ( )
21. 10-Digit numeric keys
22. Sound multiplex button ( )
23. Mute button ( )
24. Sliding cover
25. Video Cassette Recorder operating section
26. PAL/SECAM button ( )
27. VNR (Video Noise Reduction) button
28. Acoustic Surround Processor button ( )
29. CHANNEL access button (/)
30. PR/CH/CC button (Programme Channel/Real Channel/Cable Channel)
31. -/- - button (1 digit/2 digits)
32. VOLUME button ( )
33. Picture adjustment controls (BRIGHT ( )/CONTRAST ( ) /COLOUR ( ))
34. "MENU CONTROL" operating section (Remote Control)

■ Rear Panel



35. Speaker select switch
36. External speaker terminals
37. EXT 2 connector
38. EXT 1 connector
39. Aerial socket

(Example)



To receive television broadcasts (or teletext broadcasts), the aerial must be connected.

Important:
For the connection cable, use a 75-ohm coaxial cable.

When connecting an aerial:
Connect the cable of an outdoor aerial to the Aerial socket on the rear panel of the TV.

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

■ Removing the rear cover

1. The rear cover can be removed by removing the 9 screws of Ⓐ as shown in Fig.1.

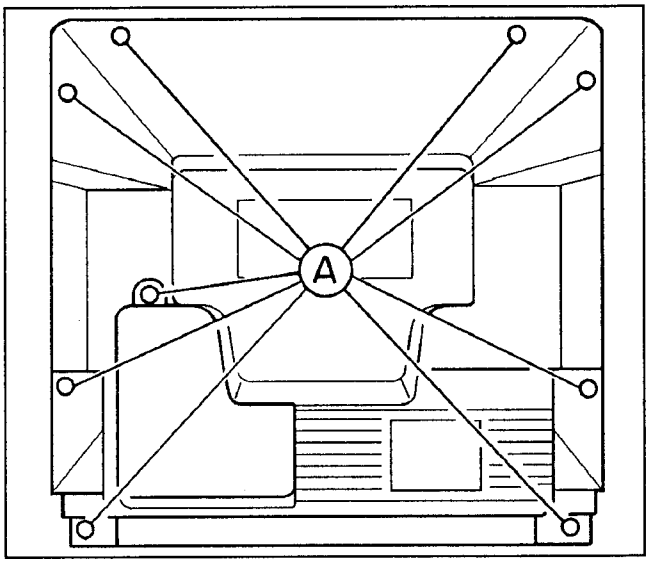


Fig.1 Removing the rear cover

■ Removing the speaker assy

1. Remove the rear cover.
2. The speaker assy can be removed by pulling it in the direction of arrow ⓐ shown in Fig.2.
3. The opposite side can be removed in the same way.

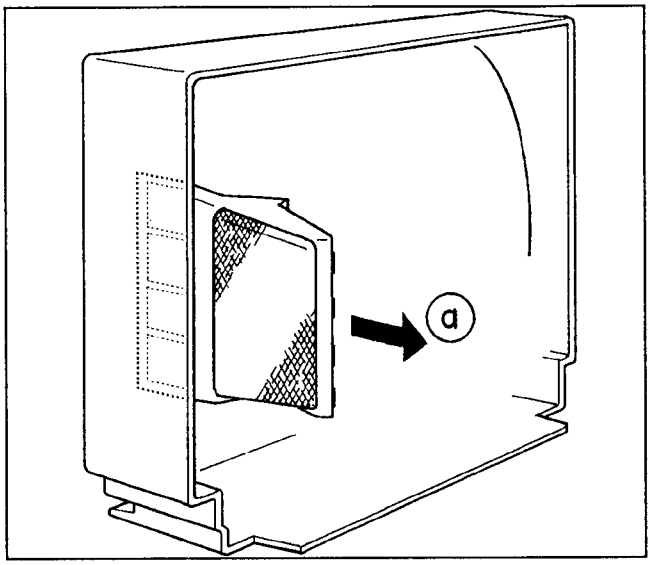


Fig.2 Removing the speaker assy

■ Removing the chassis

1. Remove the rear cover.
2. Remove both sides of the speaker box.
3. Draw out the chassis in the direction of arrow ⓑ.

Note) Before performing the conductivity check, make sure that the ground of the CRT is connected.

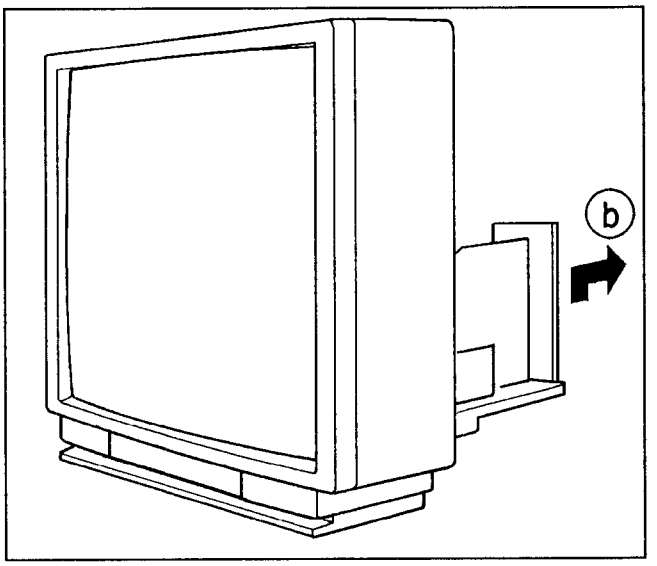


Fig.3 Removing the chassis

■ Removing the POWER BOARD

1. Remove the chassis.
2. The POWER BOARD can be removed by pulling a little bit in the direction of arrow ⓒ and lifting up while pressing claw Ⓒ.

■ Removing the terminal cover

1. Remove the chassis.
2. The terminal cover can be removed by pressing claw Ⓓ and lifting claw Ⓔ, then pulling it in the direction of arrow ⓓ.

■ Removing the front chassis

1. The front chassis can be removed by pressing claw Ⓕ and pulling it in the direction of arrow ⓔ.

■ Removing the upright board

1. Remove the terminal cover.
2. The upright board stands on the MAIN BOARD with the connector. Lift out the board for replacement.

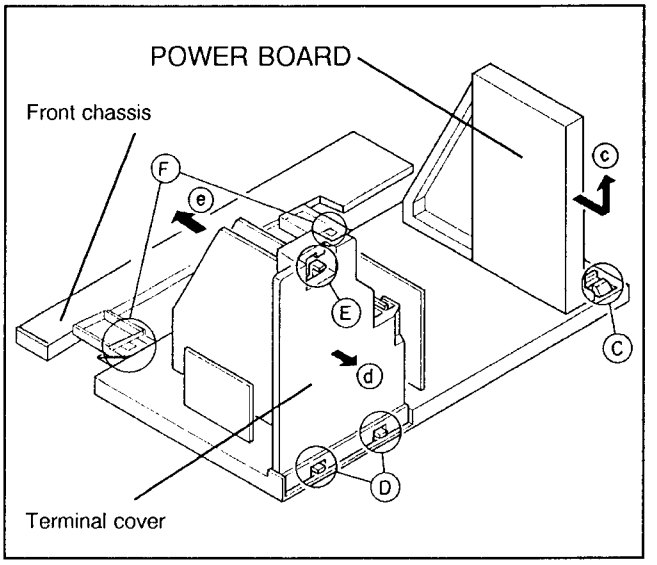


Fig.4 Removing the board

■ Removing the speaker

1. Speaker can be removed by removing the 4 screws of Ⓖ.

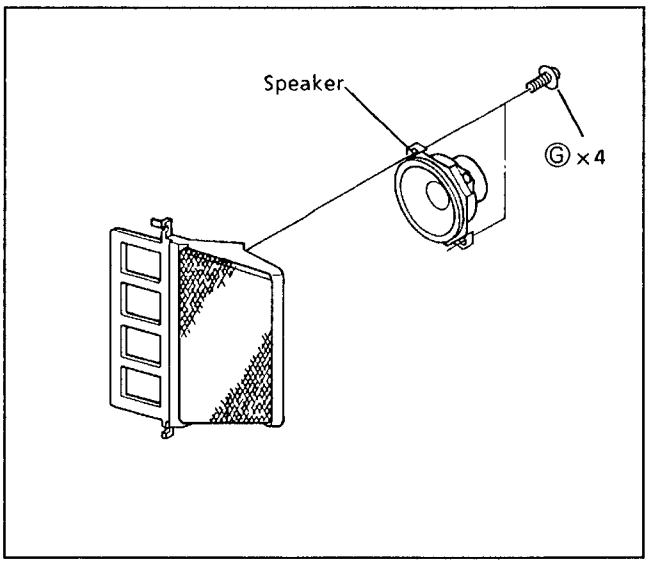


Fig.5 Removing the speakers

■ Repair and inspection

1. Position the removed chassis as shown in Fig. 6.

Note) When performing the conductivity check, make sure that the CRT ground wire is connected with the ground of the chassis and the CRT socket board.

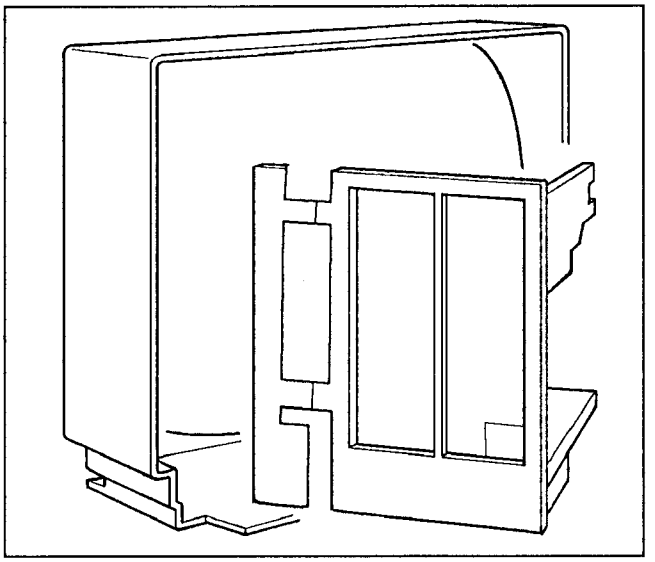


Fig.6 Repair and inspection

■ Concerning wire clamp, cable fastener and connector

1. Clamp the wire securely.
2. Do not remove the cable fastener for wire handling. If it is removed, make sure to replace it in the original position. (Insulating material must be used.)
3. The removed connector must be inserted in the original place.

Note at time of repair

■ Before servicing

1. The user can perform adjustments such as color and bright with this machine.
2. Because of the above, when accepting a repair request, take a record of the contents shown in table 1 beforehand.
3. Restore to the original status after completing repairs.
4. For other User Positions (such as Tone Preset), talk to the user.

TV	EXT-1	EXT-2	EXT-3
Colour	←	←	←
Bright	←	←	←
Cont.	←	←	←
Sharp	←	←	←
Bass	←	←	←
Treble	←	←	←
Balance	←	←	←

Table 1

■ Concerning the repair tool

The printed circuit boards standing on the MAIN BOARD will sometimes make it difficult to check the printed circuit board of this machine.Therefore, the extension tools have been made available for extending the distance between the MAIN BOARD and respestive upright printed circuit boards. The extension tools with Parts No. TV-J001 are provided for the respestive printed circuit boards with one set of jigs being consisting of those for seven printed circuit boards. Consequertly, be sure to make effective use of these tools.

Parts No. : TV－J001

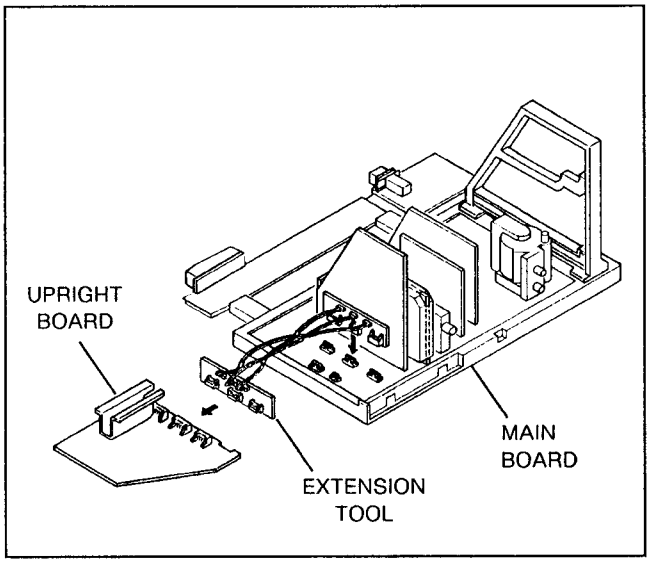
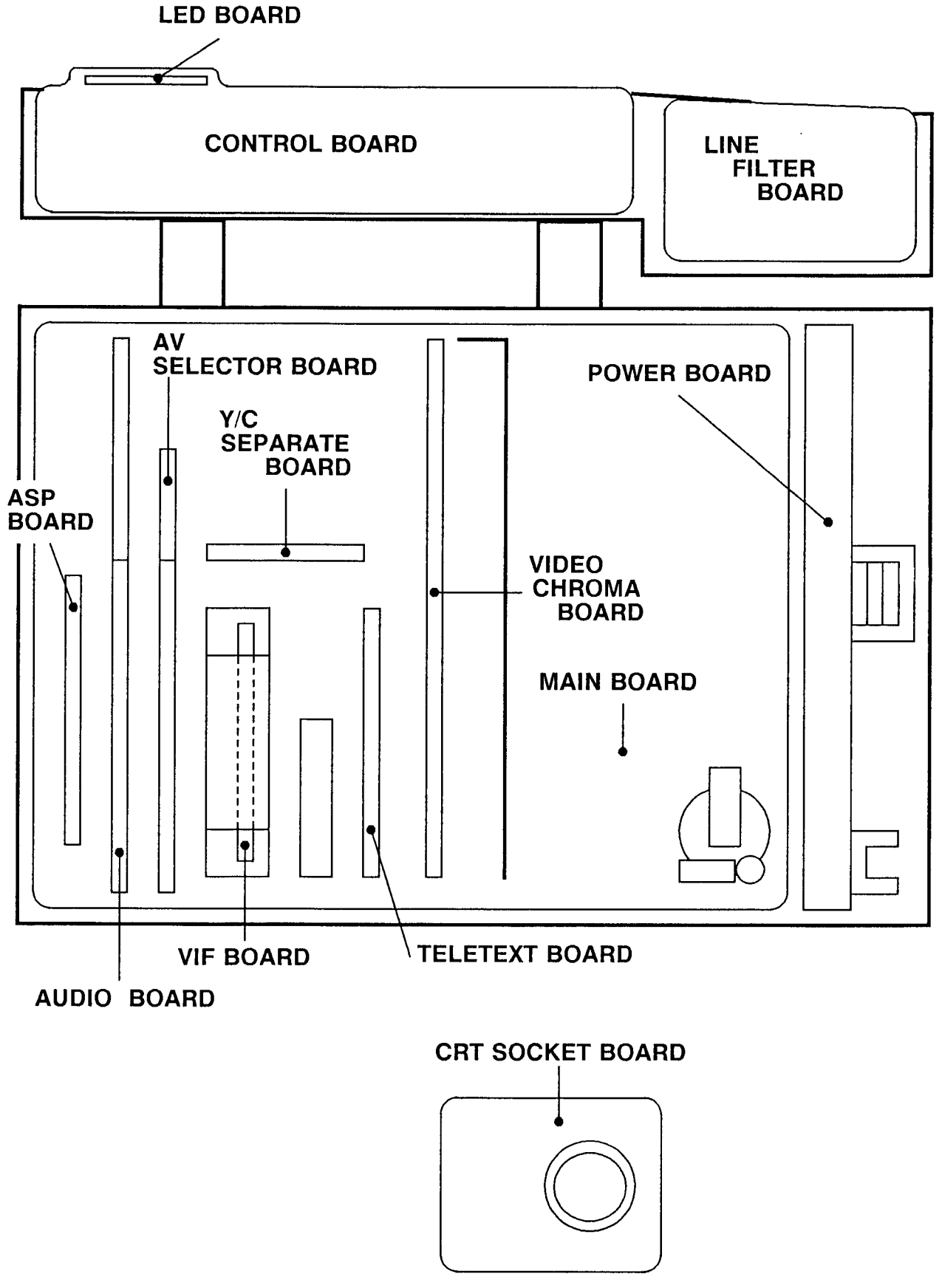


Fig.7 Extension tools

MAIN PARTS LOCATION

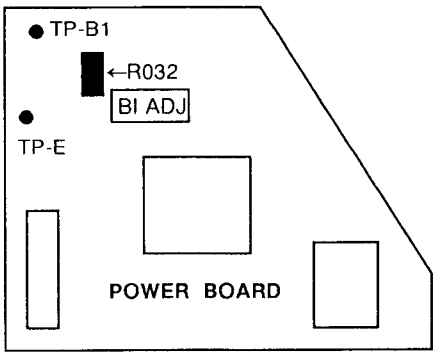


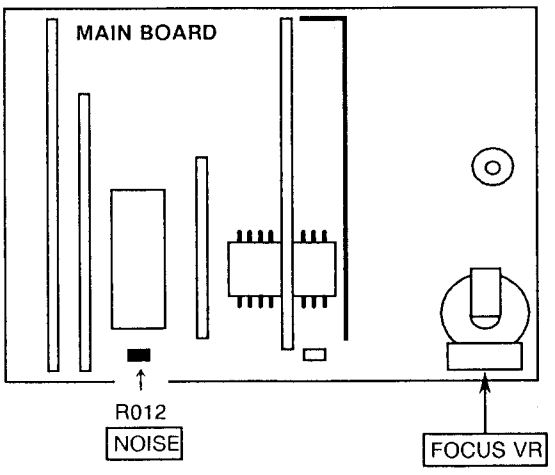
SERVICE ADJUSTMENTS

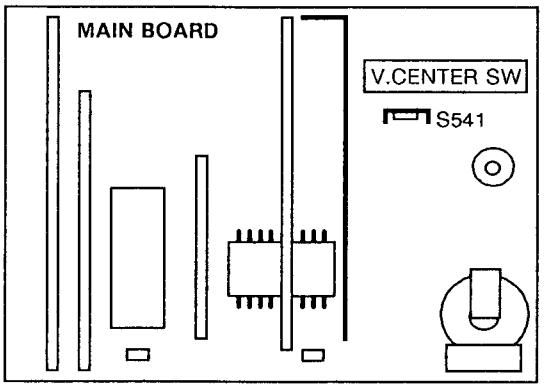
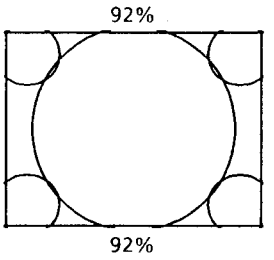
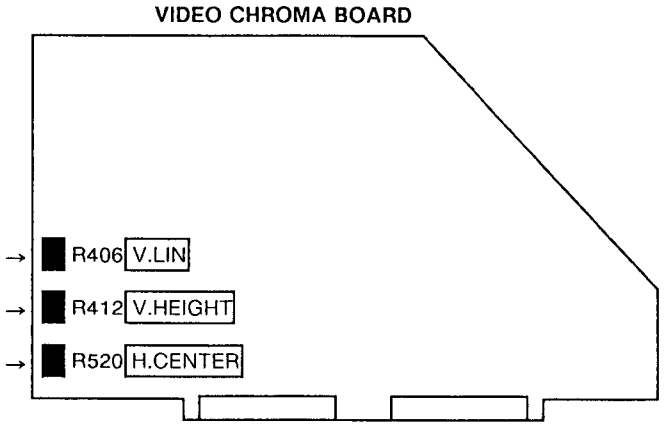
TOOLS AND FIXTURES FOR ADJUSTMENT

- DC VOLTMETER
- OSCILLOSCOPE
- PATTERN GENERATOR(PAL / SECAM)

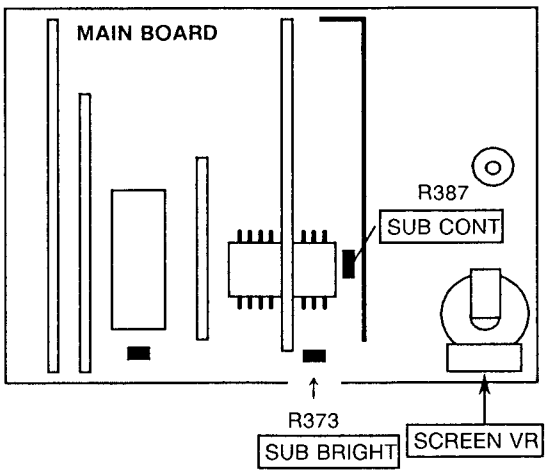
No.	Item	Measuring instrument	Test point	Adjustment part	Description
1	B1 Voltage adjustment	Pattern generator DC Voltmeter	TP-B1 TP-E [POWER BOARD]	R032 (B1 ADJ) [POWER BOARD]	1. Input a cross hatch signal. 2. Connect the voltmeter between TP-B1 and TP-E and check that B1 voltage is 127 ± 0.5V DC . 3. If the voltage is incorrect, adjust R032 (B1 ADJ).
2	FOCUS adjustment	Pattern generator		FOCUS VR [MAIN BOARD]	1. Input a cross hatch signal. 2. By watching the screen, adjust the cross hatch using FOCUS VR so that the vertical and horizontal line is the thinnest and clearest possible. 3. Check that focus is clear when the screen is darkened. NOTE Set FOCUS VR to the left (toward low voltage) as much as possible.
3	NOISE adjustment			R012 (NOISE) [MAIN BOARD]	1. Turn the NOISE VR so that noise appear in the picture. 2. Then adjust the NOISE VR in the direction where noise disappears from the picture, and stop it where noise has disappeared from the picture. 3. Select another channel, and make sure that there occurs no trouble.

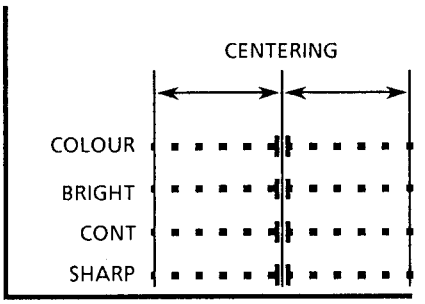




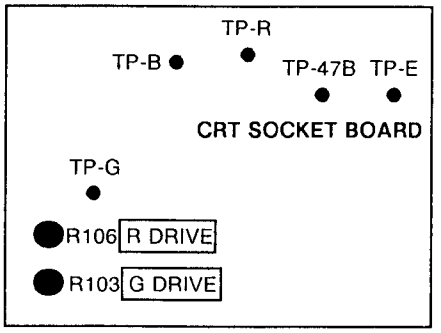
No.	Item	Measuring instrument	Test point	Adjustment part	Description
4	VERTICAL LINEARITY · VERTICAL CENTER · VERTICAL HEIGHT adjustment	Pattern generator		R406 (V.LIN) R412 (V.HEIGHT) [VIDEO CHROMA BOARD] S541 (V.CENTER SW) [MAIN BOARD]	1. Input a monoscope signal. (If a monoscope signal is not available, input a cross hatch signal) 2 Using R406 (V.LIN), adjust the upper and lower patterns to make a well-balanced circle. 3. Adjust using S541 (V.CENTER SW) until the pattern is positioned at the center of the screen. 4. Adjust using R412 (V.HEIGHT) so that the pattern is 92% of the upper and lower patterns. 5. Repeat steps 2 to 4 as necessary. 
5	HORIZONTAL CENTER adjustment	Pattern generator		R520 (H.CENTER) [VIDEO CHROMA BOARD]	1. Input a monoscope signal. (If a monoscope signal is not available, input a cross hatch signal) 2. Adjust using R520 (H.CENTER) until the picture is positioned at the center of the screen.

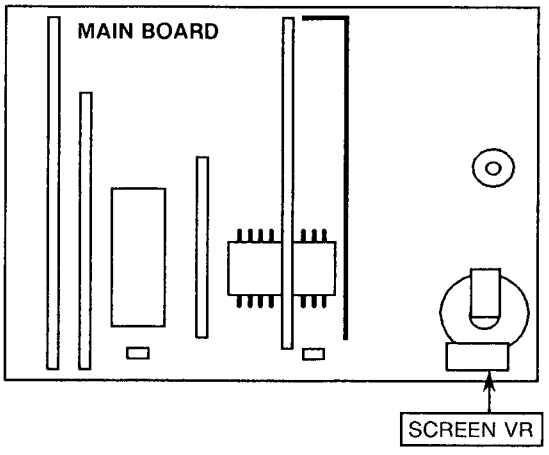
No.	Item	Measuring instrument	Test point	Adjustment part	Description
6	VSM RESET adjustment	Remote control			Before performing this adjustment, record levels such as COLOUR, CONT, BRIGHT, and SHARP. Restore the previous levels after repair. 1. Obtain the menu with the remote control and set the levels of COLOUR, BRIGHT, CONT and a SHARP to the center. 2. Perform this adjustment with TV,EXT1,EXT2 and EXT3.
7	SUB BRIGHT · SUB CONTRAST adjustment	Pattern generator		R373 (SUB BRIGHT) R387(SUB CONTRAST) [MAIN BOARD]	Prior to starting this adjustment, complete adjustment of VSM RESET, and set the VSM level to the center. 1. Adjust R373(SUB BRIGHT) and R387 (SUB CONTRAST) until optimum picture is obtained. NOTE Avoid excessive brightness.

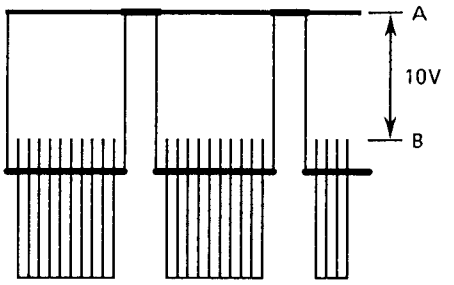




No.	Item	Measuring instrument	Test point	Adjustment part	Description
8	HIGH LIGHT adjustment	Pattern generator		R106 (R DRIVE) R103 (G DRIVE) [CRT SOCKET]	Prior to starting this adjustment, complete adjustment of VSM RESET, and set the VSM level to the center. 1. Input white signal. 2. Adjust the whole screen to white using R106 (R DRIVE) and R103 (G DRIVE).
9	SCREEN adjustment	Pattern generator Oscilloscope	TP-B TP-G TP-R TP-E [CRT SOCKET BOARD]	SCREEN VR [MAIN BOARD]	This adjustment should be performed after adjusting the HIGH LIGHT. 1. Input a cross hatch signal. 2. Connect the oscilloscope with TP-B, TP-G and TP-R and fully rotate the SCREEN VR to the left, then rotate it to the right little by little until line A does not move. 3. In the 3 test points, adjust the distance between A – B to be a minimum of 10V.



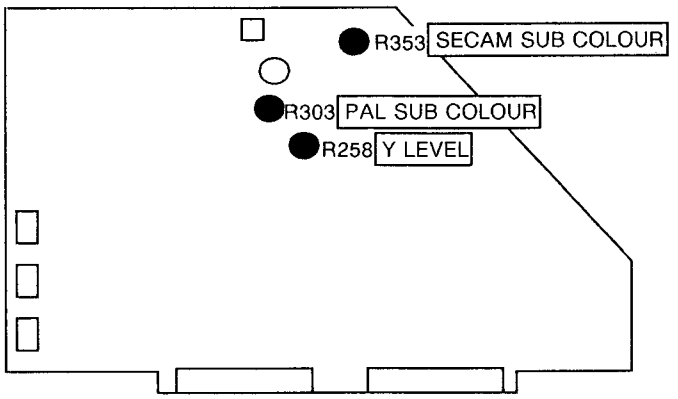


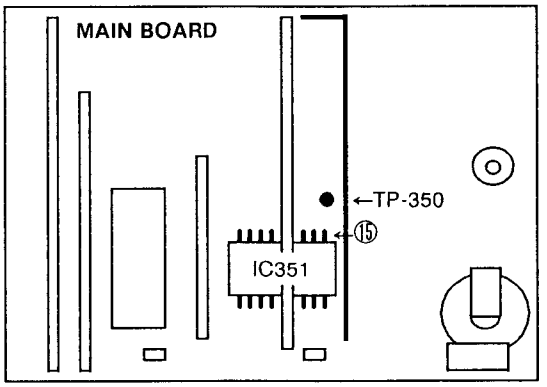


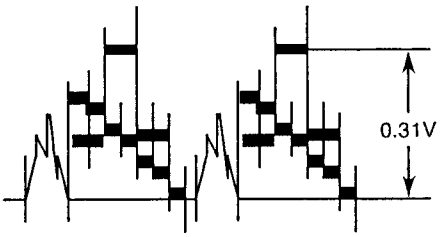
(V)

No.	Item	Measuring instrument	Test point	Adjustment part	Description
10	Y LEVEL adjustment	Pattern generator (PAL) oscilloscope	TP-350 (or PIN ⑮ of IC 351) [MAIN BOARD]	R258 (Y LEVEL) [VIDEO CHROMA BOARD]	1. Input a split color bar signal. 2. Connect the oscilloscope with TP-350 (or PIN ⑮ of IC 351) of the MAIN BOARD. 3. Adjust the voltage between 100% white signal and pedestal to be 0.31V using R258(Y.LEVEL).
11	SECAM / PAL SUB COLOUR adjustment	Pattern generator (PAL/SECAM)		R353 (SECAM SUB COLOUR) R303 (PAL SUB COLOUR) [VIDEO CHROMA BOARD]	• This adjustment should be performed after adjusting the Y LEVEL and SUB CONTRANST. • Prior to starting this adjustment, complete adjustment of VSM RESET, and set the VSM level to the center. 1. Input a SECAM split color bar signal. 2. Adjust R353(SECAM SUB COLOUR) until natural colour density is obtained. 3. Input a PAL split color bar signal. 4. Adjust R303(PAL SUB COLOUR) until natural colour density is obtained.

VIDEO CHROMA BOARD

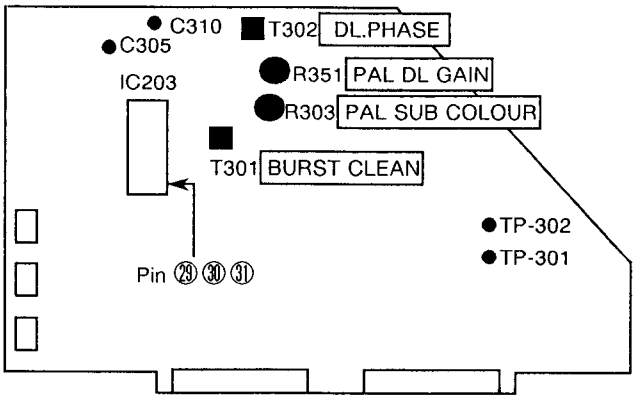


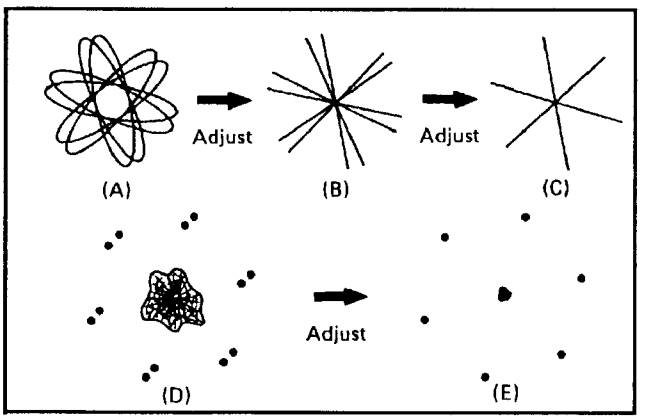




No.	Item	Measuring instrument	Test point	Adjustment part	Description
12	CHROMA CIRCUIT adjustment (PAL)	Pattern generator (PAL) Oscilloscope	TP-301 TP-302 PIN ㉚㉙㉛ of IC203 [VIDEO CHROMA BOARD]	T301 (BURST CLEAN) T302 (DL.PHASE) R303 (PAL SUB COLOUR) R351 (PAL DL GAIN)	1. Input a PAL split color bar signal. 2. Connect the osilloscope to the pin ㉚ of IC203, set the amplitude of waveform to a minimum level by adjusting T301 (BURST CLEAN). 3. Connect CH1 (X-axis) of the oscilloscope with TP-301 and CH2 (Y-axis) of the oscilloscope with TP-302 and set in X-Y mode. 4. Adjust the waveform with R303 (PAL SUB COLOUR) so that the figure is not saturated. 5. Connect the section between the pins ㉙ and ㉛ of IC203 (or between the lead wire C305) with an 8.2kΩ resistor. 6. Short both ends of C310 with wire, etc. 7. Adjust the signal (A) to be (B) using R351 (PAL DL GAIN). 8. Adjust the signal (B) to be (C) using T302 (DL PHASE). 9. Repeat the above steps roughly once or twice as required to obtain the waveform (C). 10. Remove the shorted jumper wire and 8.2kΩ resistor from pins ㉙ and ㉛ of IC203. 11. Adjust the signal (D) to be (E) using T301(BURST CLEAN)

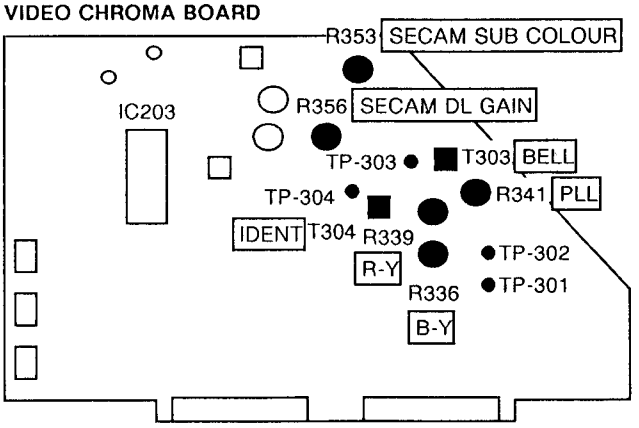
VIDEO CHROMA BOARD

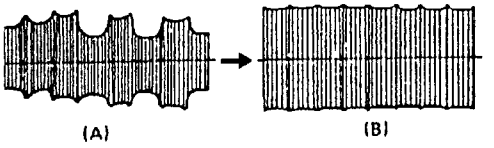


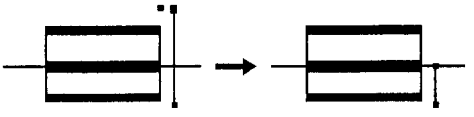


No.	Item	Measuring instrument	Test point	Adjustment part	Description
13	BELL adjustment (SECAM)	Pattern generator (SECAM) Oscilloscope	TP-303 [VIDEO CHROMA BOARD]	T303 (BELL) [VIDEO CHROMA BOARD]	1. Input a SECAM split colour bar signal. 2. Connect the oscilloscope to TP-303. 3. Adjust the signal (A) to be (B) using T303(BELL).
14	IDENT adjustment (SECAM)	Pattern generator (SECAM) DC Voltmeter	TP-304 [VIDEO CHROMA BOARD]	T304 (IDENT) [VIDEO CHROMA BOARD]	1. Input a SECAM split colour bar signal. 2. Connect the DC Voltmeter to TP-304. 3. Make the voltage of TP-304 which is been observing the maximum (about 9.5V) using T304 (IDENT).
15	PLL adjustment (SECAM)	Pattern generator (SECAM) Oscilloscope	TP-301 TP-302 [VIDEO CHROMA BOARD]	R341 (PLL ADJ) [VIDEO CHROMA BOARD]	1. Input a SECAM split colour bar signal. 2. Connect the oscilloscope to TP-301. And observe the waveform in the vertical scanning cycle. Range: 1ms / 1div ~ 2ms / 1div 3. Adjust the noise of vertical blanking period to be the center using R341(PLL ADJ). 4. Connect the oscilloscope to TP-302. 5. Make sure that the noise is in the center. If it isn't, it should be adjusted. 6. Repeat steps 2 to 5 as necessary.

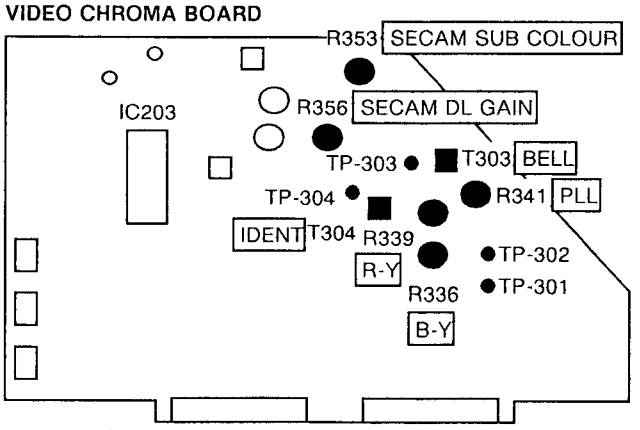
VIDEO CHROMA BOARD

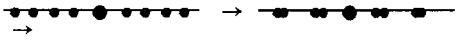


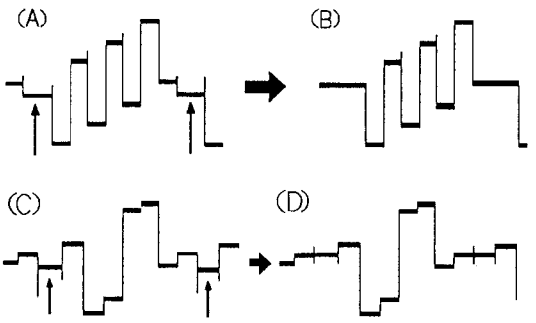


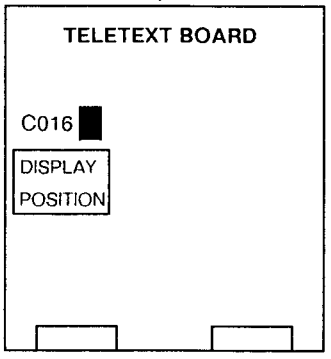


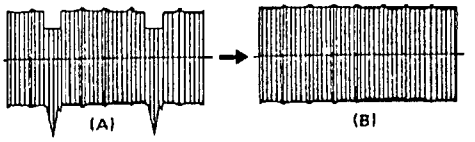
No.	Item	Measuring instrument	Test point	Adjustment part	Description
16	SECAM DL GAIN adjustment (SECAM)	Pattern generator (SECAM) Oscilloscope	TP-301 TP-302 [VIDEO CHROMA BOARD]	R356 (SECAM DL GAIN) [VIDEO CHROMA BOARD]	1. Input a SECAM split colour bar signal. 2. Connect CH1 (X-axis) of the oscilloscope with TP-301 and CH2 (Y-axis) of the oscilloscope with TP-302 and set in X-Y mode . 3. Fully turn R356 (SECAM DL GAIN) counterclockwise, adjust R356 so that the various points from X to Y become identical.
17	COLOUR DISCRIMINATION adjustment (SECAM)	Pattern generator (SECAM) Osciloscope	TP-301 TP-302 [VIDEO CHROMA BOARD]	R336 (B-Y ADJ) R339 (R-Y ADJ) [VIDEO CHROMA BOARD]	1. Input a SECAM split colour bar signal. 2. Connect the oscilloscope to TP-301. 3. Adjust the signal (A) to be (B) using R336 (B-Y ADJ). 4. Connect the oscilloscope to TP-302. 5. Adjust the signal (C) to be (D) using R339 (R-Y ADJ).
18	CLOCK adjustment	Remote control		C016 (DISPLAY POSITION) [TELETEXT BOARD]	1. Receive a TELETEXT signal. 2. Set TELETEXT and AIR signals to in mix mode with the remote control. 3. Adjust using C016 (DISPLAY POSITION) so that the character screen and TV screen of TELETEXT do not flow in a horizontal direction.

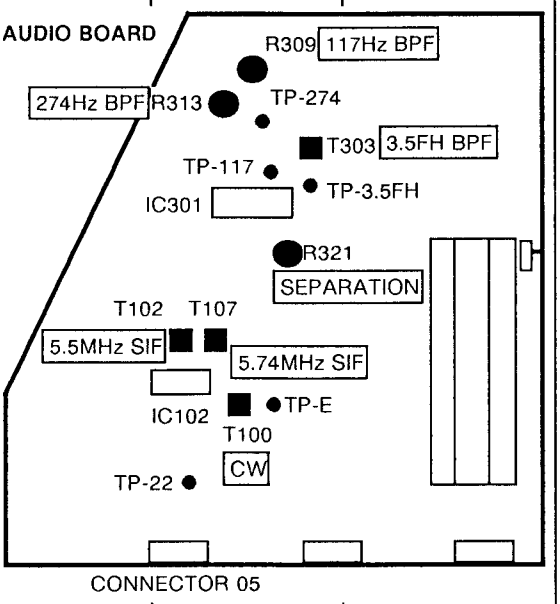


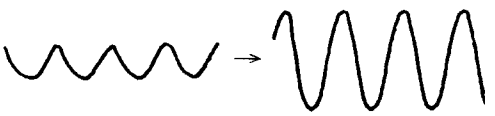


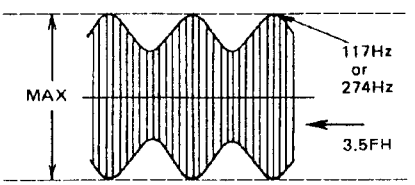




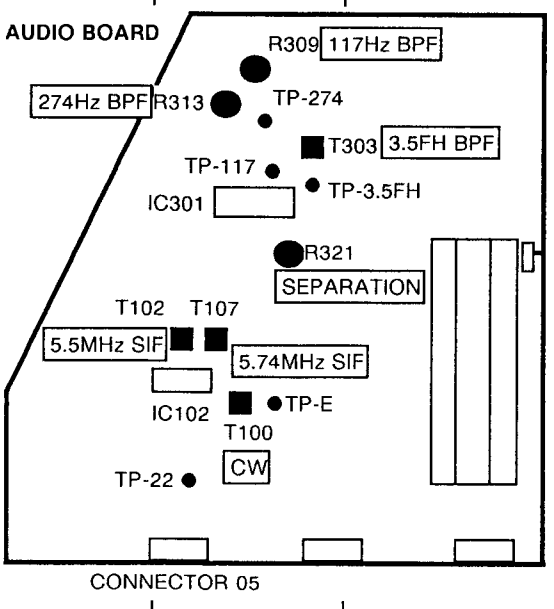
No.	Item	Measuring instrument	Test point	Adjustment part	Description
19	CW adjustment	Oscilloscope	TP-22 [AUDIO BOARD]	T100 (CW) [AUDIO BOARD]	1. Input the monaural signal. 2. Connect the oscilloscope to TP-22. 3. Adjust the signal (A) to be (B) using T100(CW).  (5mS/div.)
20	SIF adjustment	Oscilloscope	Pin ⑤ ④ of IC102 [AUDIO BOARD]	T102 (5.5MHz SIF) T107 (5.74MHz SIF) [AUDIO BOARD]	1. Input the bilingual signal. 2. Connect the oscilloscope to pin ⑤ of IC102. 3. Adjust the T102 (5.5MHz SIF) to obtain the largest output waveform. 4. Connect the oscilloscope to pin ④ of IC102. 5. Adjust the T107 (5.74MHz SIF) to obtain the largest output waveform.
21	3.5FH BPF adjustment	Oscilloscope	TP-3.5FH (or Pin ① of IC301) [AUDIO BOARD]	T303 (3.5FH BPF) [AUDIO BOARD]	1. Input the stereo signal . 2. Connect the oscilloscope to TP-3.5FH (or pin ① of IC301). 3. Adjust the T303 (3.5FH BPF) to obtain the largest amplitude of 3.5FH output waveform.







No.	Item	Measuring instrument	Test point	Adjustment part	Description
22	117Hz / 274Hz adjustment	Oscilloscope DC Voltmeter	TP-117 (or Pin ⑤ of IC301) Pin ⑤ ⑥ of CONNECTOR 05 TP-274 (or Pin ⑥ of IC301) [AUDIO BOARD]	R309 (117Hz BPF) R313 (274Hz BPF) [AUDIO BOARD]	1. Input the stereo signal. 2. Connect the oscilloscope to TP-117 (or pin ⑤ of IC301). 3. Adjust the R309 (117Hz BPF) to obtain the largest wave of 117Hz (sine wave). (No saw tooth wave.) In this case, make sure that the sine wave 117Hz have been exceed 5Vp-p. 4. After that , make sure that pin ⑤ ⑥ of connector 05 have been H (exceed 8V). 5. Input the bilingual signal. 6. Connect the oscilloscope to TP-274 (or pin ⑥ of IC301). 7. Adjust the R313 (274Hz BPF) to obtain the largest wave of 274Hz (sine wave). (No saw tooth wave.) In this case, make sure that the sine wave 274Hz have been exceed 5Vp-p. 8. After that , make sure that pin ⑤ of connector 05 have been H (exceed 8V) and the pin ⑥ have been L (0V).
23	SEPARATION adjustment	Oscilloscope	Pin ③ of CONNECTOR 05 [AUDIO BOARD]	R321 (SEPARATION) [AUDIO BOARD]	1. Input the stereo signal. 2. Connect the oscilloscope to pin ③ of connector 05. 3. Adjust the R321(SEPARATION) to obtain the least component of the right channel signal .



AV-21H1E STANDARD CIRCUIT DIAGRAM

■NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : PAL Color bar signal
(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
(3)Internal resistance of tester : DC 20kΩ/V
(4)Oscilloscope sweeping time : H ⇒20μS/div
: V ⇒5mS/div
: Others ⇒ Sweeping time is specified
(5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL[EXAMPLE]

●In the PW board : R1209→R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

●Resistance value

No unit	: [Ω]
K	: [KΩ]
M	: [MΩ]

●Rated allowable power

No indication	: 1/6[W]
Others	: As specified

●Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

●Capacitance value

1or higher	: [pF]
less than 1	: [μF]

●Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage[V]
AC indicated	: AC withstand voltage[V]

* Electrolytic Capacitors
47/50[Example]: Capacitance value[μF]/withstand voltage[V]

●Type

No indication	:Ceramic capacitor
MY	: Mylar capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

No unit	: [μH]
Others	: As specified

(4)Power Supply

: 127V
: 12V
: 5V

* Respective voltage values are indicated.

(5)Test Point

: Test point
: Only test point display

(6)Connecting method

: Connector
: Wrapping or soldering
: Receptacle

(7)Ground symbol

: LIVE side ground
: NEUTRAL side ground
: EARTH ground
: DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE (primary : ⊥) side GND and the NEUTRAL (secondary : ⏚) side GND. Therefore, care must be taken for the following points.

(1) Do not touch the LIVE side GND or the LIVE side GND and the NEUTRAL side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2) Do not short between the LIVE side GND and NEUTRAL side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and NEUTRAL side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

Apr. 1993 No.50782

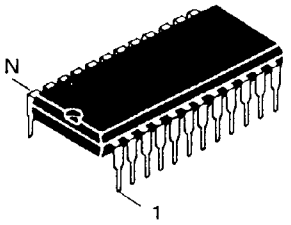
SEMICONDUCTOR SHAPES

2PC1815(YG)
2PA1015(YG)
2SC1959(OYG)
2SC2878(B)

2SC1360
2SA966(OY)
2SC2655(Y)

2SC3699(OY)

BU508AF1
SGSIF444



IC
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TDA4580
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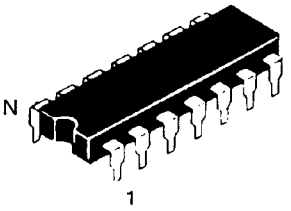
M51365SP
TA8662N
M65109BSP
SAA5231
SDA5243P/E
FCB61C65-70P
PCF84C81P/004



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HCF4066BE
HCF4081BE
HCF4053BE
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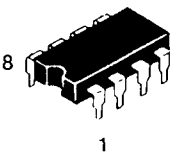
TDA1029
TDA1526
TDA3810

M51496P
SM5807EP
LM324N
VCU2003
TEA2261
TC4053BP



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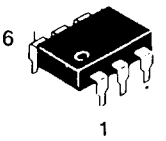
ST24C02



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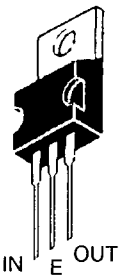

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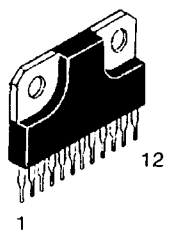
L7812ABV
L7805ABV



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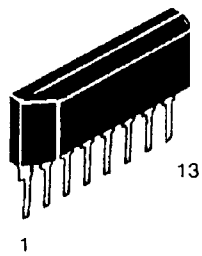

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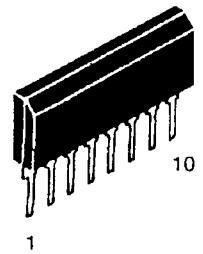
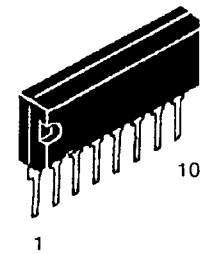
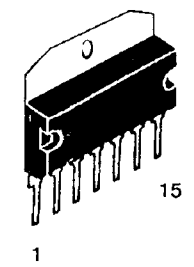


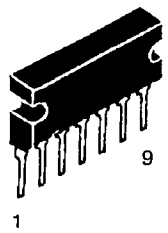
IC
M51494L



IC
LA7210



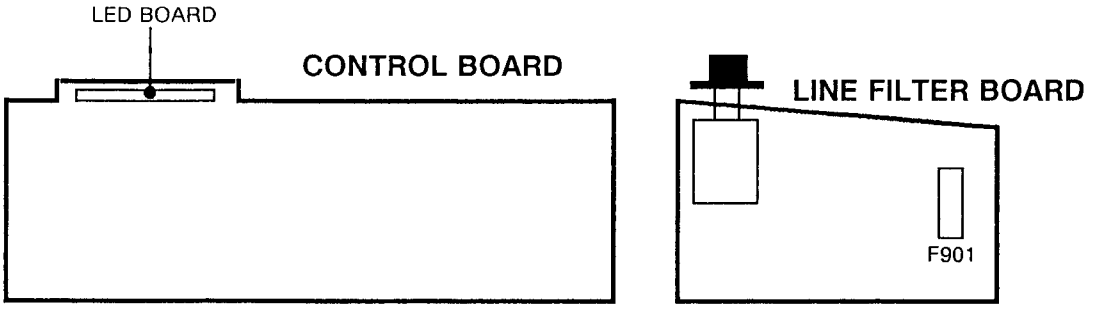
IC
TEA5101A



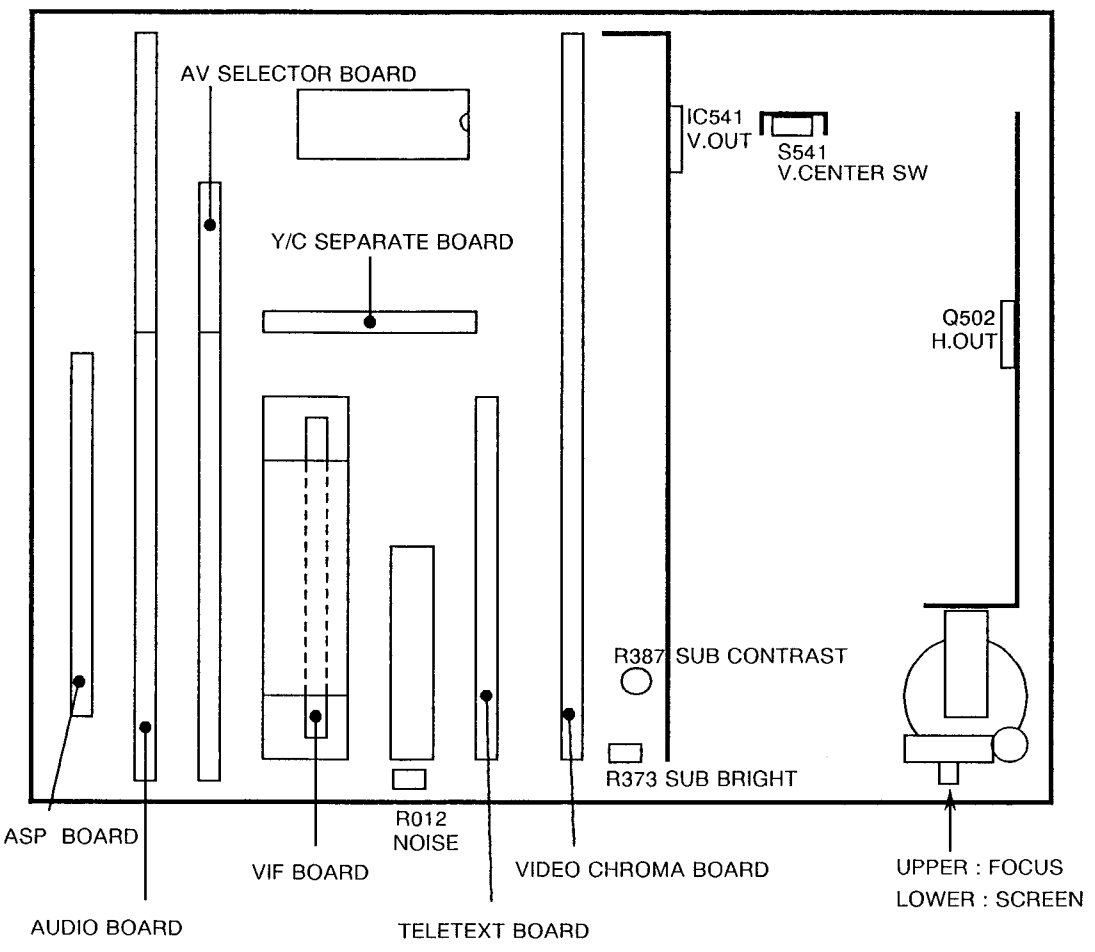
IC
TDA3653C

IC
MN1280-Q

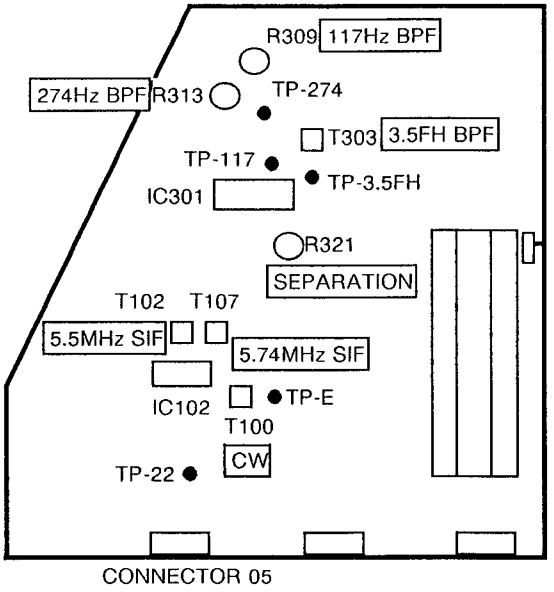
MAIN PARTS LOCATION AND ALIGNMENTS LOCATION



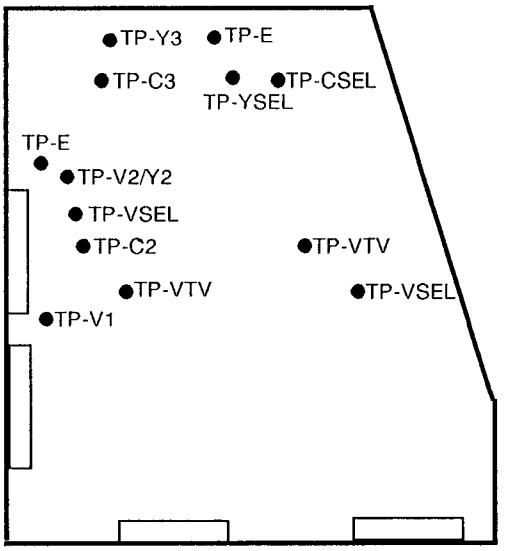
MAIN BOARD



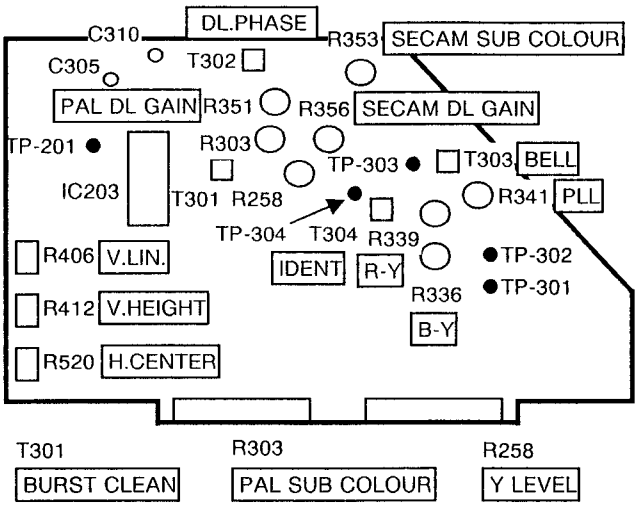
AUDIO BOARD



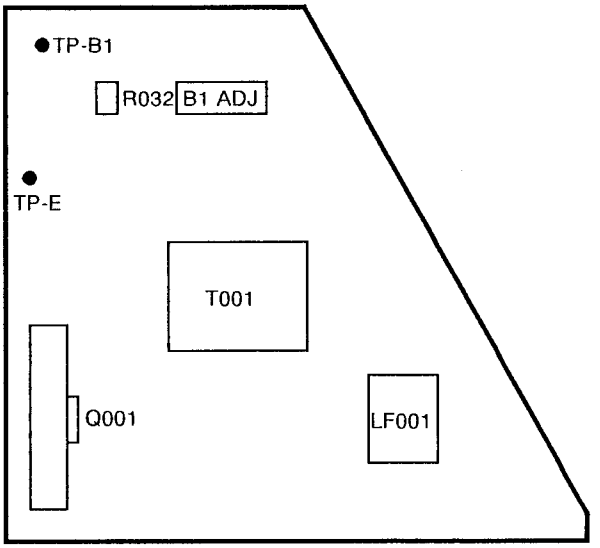
AV SELECTOR BOARD



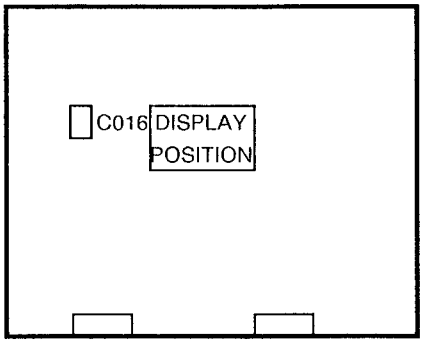
VIDEO CHROMA BOARD



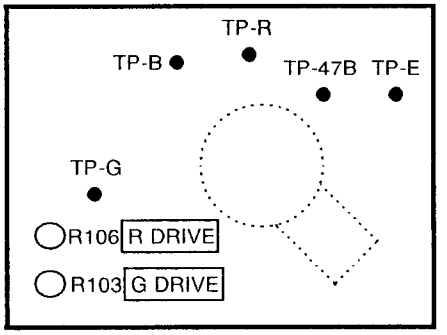
POWER BOARD



TELETEXT BOARD

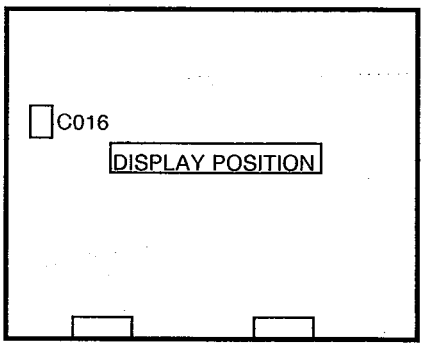


CRT SOCKET BOARD

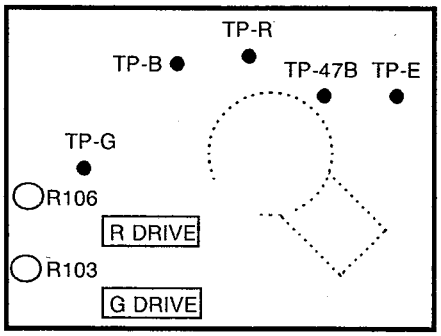


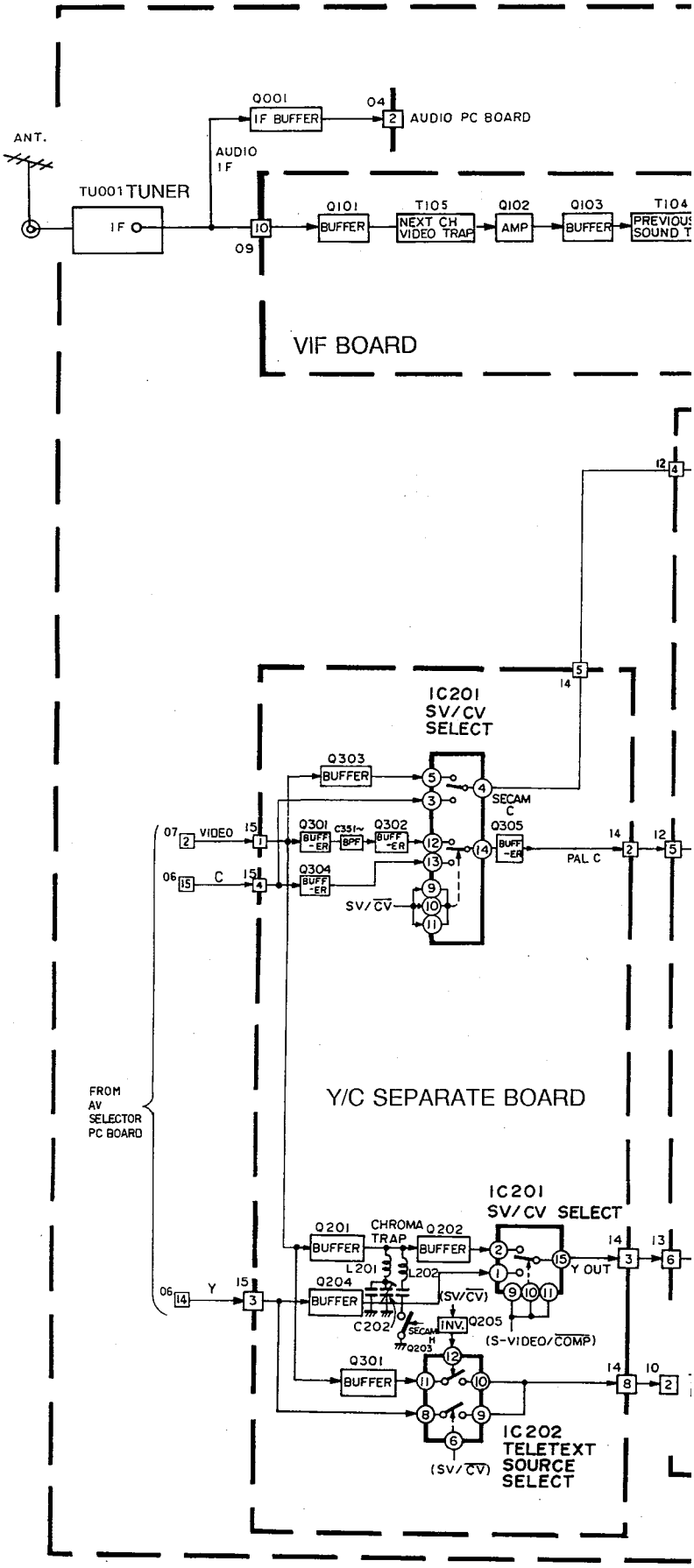
BLOCK DIAGRAM

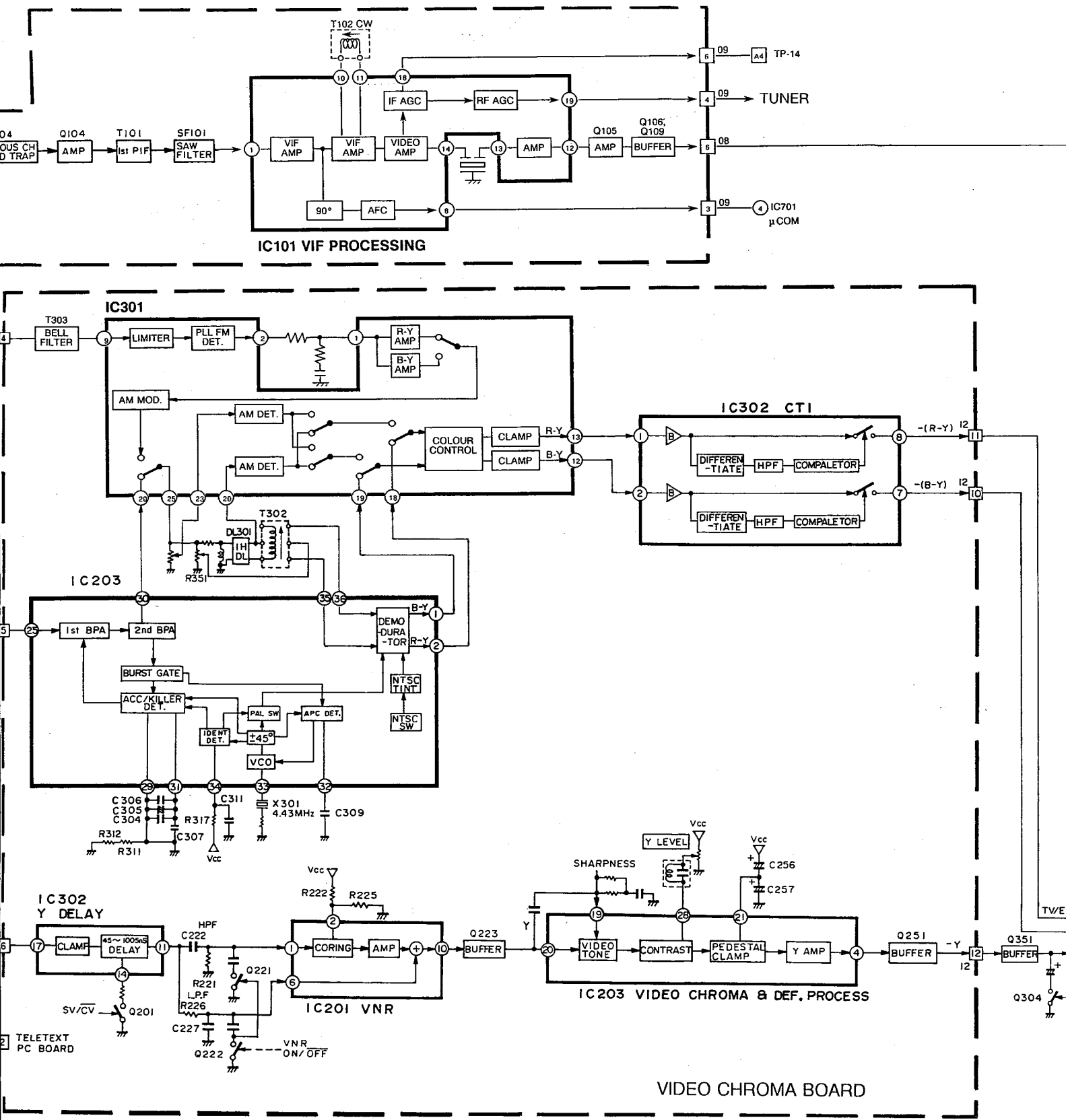
TELETEXT BOARD

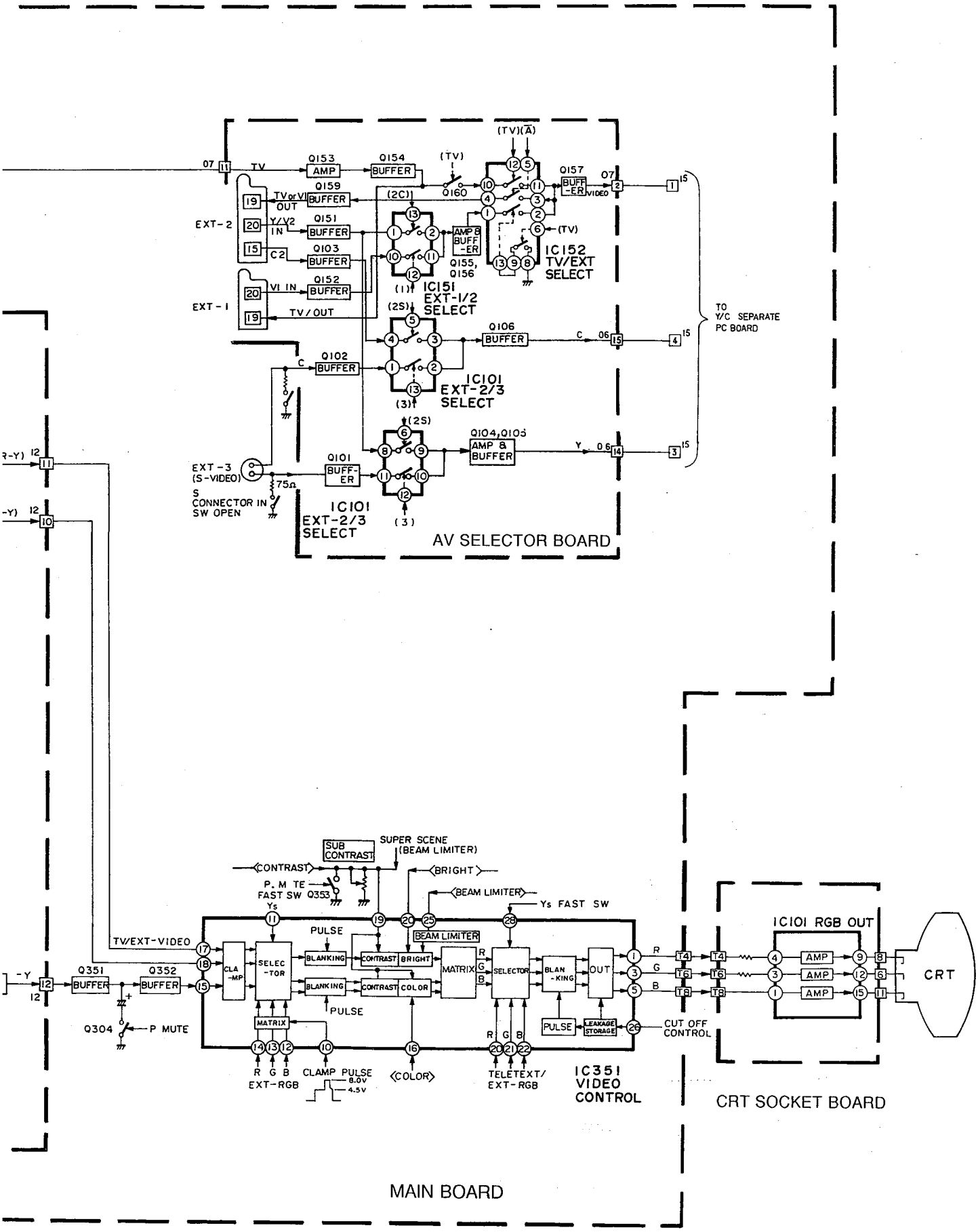


CRT SOCKET BOARD





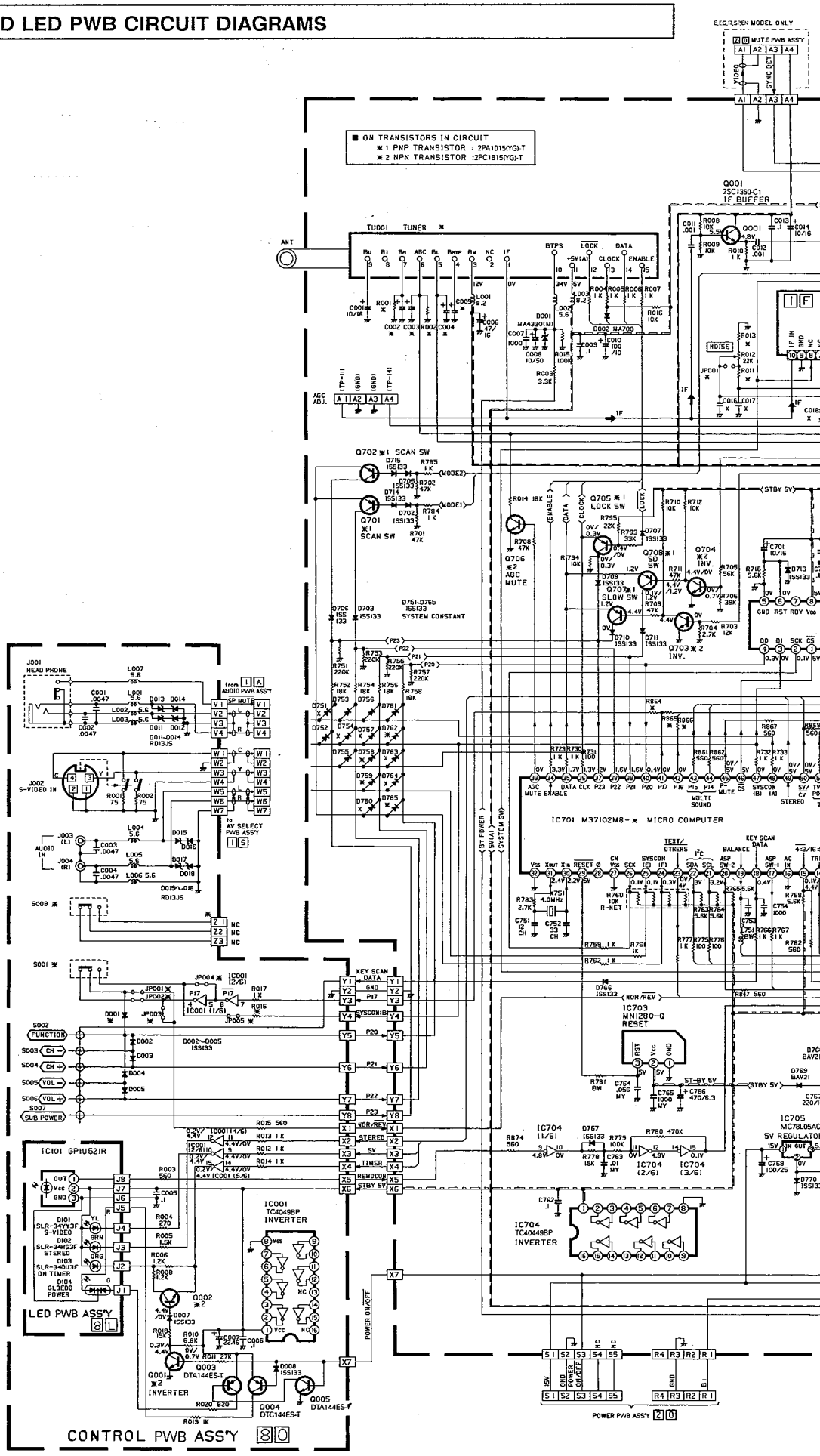

T102 CW
Q104
AMP
T101
1st PIF
SF101
SAW FILTER
VIF AMP
VIF AMP
VIDEO AMP
IF AGC
RF AGC
AMP
Q105
AMP
Q106, Q109
BUFFER
90°
AFC
09
TP-14
TUNER
08
09
IC701 µCOM
IC101 VIF PROCESSING
IC301
T303
BELL FILTER
LIMITER
PLL FM DET.
R-Y AMP
B-Y AMP
AM MOD.
AM DET.
AM DET.
COLOUR CONTROL
CLAMP
CLAMP
R-Y
B-Y
IC302 CTI
DIFFEREN-TIATE
HPF
COMPALETOR
DIFFEREN-TIATE
HPF
COMPALETOR
-(R-Y)
-(B-Y)
T302
DL301
1H DL
R351
IC203
1st BPA
2nd BPA
DEMO DURA-TOR
BURST GATE
ACC/KILLER DET.
PAL SW
APC DET.
IDENT DET.
±45°
VCO
NTSC TINT
NTSC SW
C306
C305
C304
R312
R311
C307
R317
C311
X301 4.43MHz
C309
Vcc
IC302 Y DELAY
CLAMP
45~1005nS DELAY
HPF
C222
R222
R225
CORING
AMP
Q223
BUFFER
Q221
R221
L.P.F
R226
C227
Q222
VNR ON/OFF
SV/CV
Q201
IC201 VNR
Y LEVEL
SHARPNESS
C256
C257
VIDEO TONE
CONTRAST
PEDESTAL CLAMP
Y AMP
Q251
BUFFER
-Y
Q351
BUFFER
Q304
TV/E
IC203 VIDEO CHROMA & DEF. PROCESS
TELETEXT PC BOARD
VIDEO CHROMA BOARD

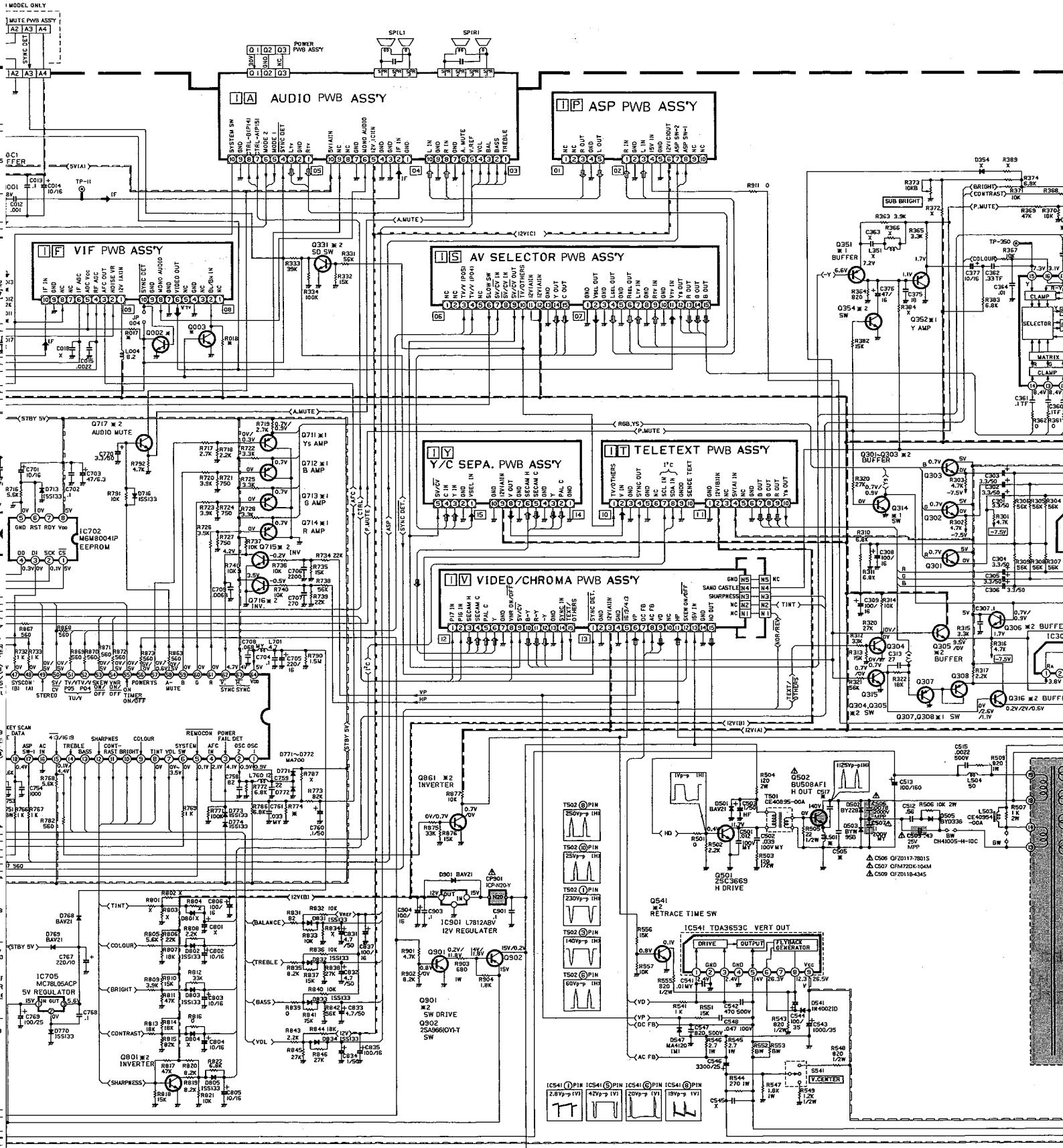

TV
Q153 AMP
Q154 BUFFER
(TV)
Q160
(TV)(A)
Q157 BUFF-ER VIDEO
TO Y/C SEPARATE PC BOARD
EXT-2
TV or V1 OUT
Q159 BUFFER
Y/V2 IN
Q151 BUFFER
C2
Q103 BUFFER
(2C)
AMP & BUFF-ER
Q155, Q156
IC152 TV/EXT SELECT
EXT-1
V1 IN
Q152 BUFFER
TV/OUT
(1)
IC151 EXT-1/2 SELECT
(2S)
Q106 BUFFER
C
Q102 BUFFER
IC101 EXT-2/3 SELECT
(3)
Q104,Q105 AMP & BUFFER
Y
EXT-3 (S-VIDEO)
75Ω
S CONNECTOR IN SW OPEN
Q101 BUFF-ER
IC101 EXT-2/3 SELECT
AV SELECTOR BOARD
SUB CONTRAST
SUPER SCENE (BEAM LIMITER)
CONTRAST
BRIGHT
P. M TE FAST SW Q353
BEAM LIMITER
Ys FAST SW
Ys
PULSE
TV/EXT-VIDEO
BEAM LIMITER
Q351 BUFFER
Q352 BUFFER
CLA-MP
SELEC-TOR
BLANKING
CONTRAST
BRIGHT
MATRIX
SELECTOR
BLAN-KING
OUT
BLANKING
CONTRAST
COLOR
PULSE
Q304
P MUTE
MATRIX
R G B EXT-RGB
CLAMP PULSE
8.0V
4.5V
COLOR
R G B
TELETEXT/ EXT-RGB
IC351 VIDEO CONTROL
PULSE
LEAKAGE STORAGE
CUT OFF CONTROL
IC101 RGB OUT
AMP
CRT
CRT SOCKET BOARD
MAIN BOARD

CIRCUIT DIAGRAMS AND PWB PATTERNS

MAIN PWB, CONTROL PWB AND LED PWB CIRCUIT DIAGRAMS

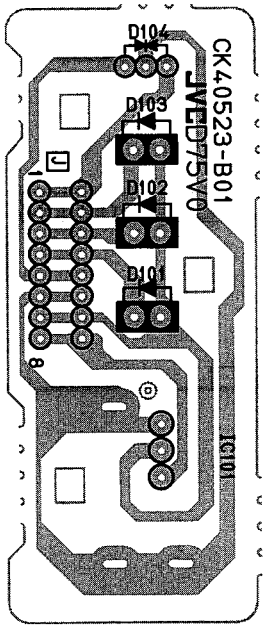
	SYMBOL	AV-21H1E
1 0		SJX-1320A-U2
	1 A	SJX-1A003AU2
	1 F	SJX-1F001AU2
	1 P	SJX-1P001AU2
	1 S	SJX-1S006AU2
	1 T	SJX-1T501AU2
	1 V	SJX-1V105AU2
	1 Y	SJX-1Y101AU2
	TU001	CEEK451-A03
	Q002	–
	Q003	–
	R001	4.7K
	R002	150K
	R011	56K
	R013	BW
	R017	–
	R018	–
	C002	10/16
	C003	10/25
	C004	10/16
	C005	10/16
	C505	0.001 1.6KV
	C517	470 2KV
	L501	BW
	IC701	-A49SP
	D758	–
	D759	1SS133
	D762	–
	D765	–
	R774	–
	JP001	BW
	JP002	BW
	JP003	–
	JP004	–
	R864	560
	R865	560
	R866	560
	A-CONNECTOR	to MUTE PWB
8 0		SJX-8006A-U2
	8 L	SJX-8L002AU2
	JP001	–
	JP002	–
	JP003	BW
	JP004	–
	JP005	–
	S001	–
	S008	–
	Z	–
	D001	–
	R016	–
	R020	680

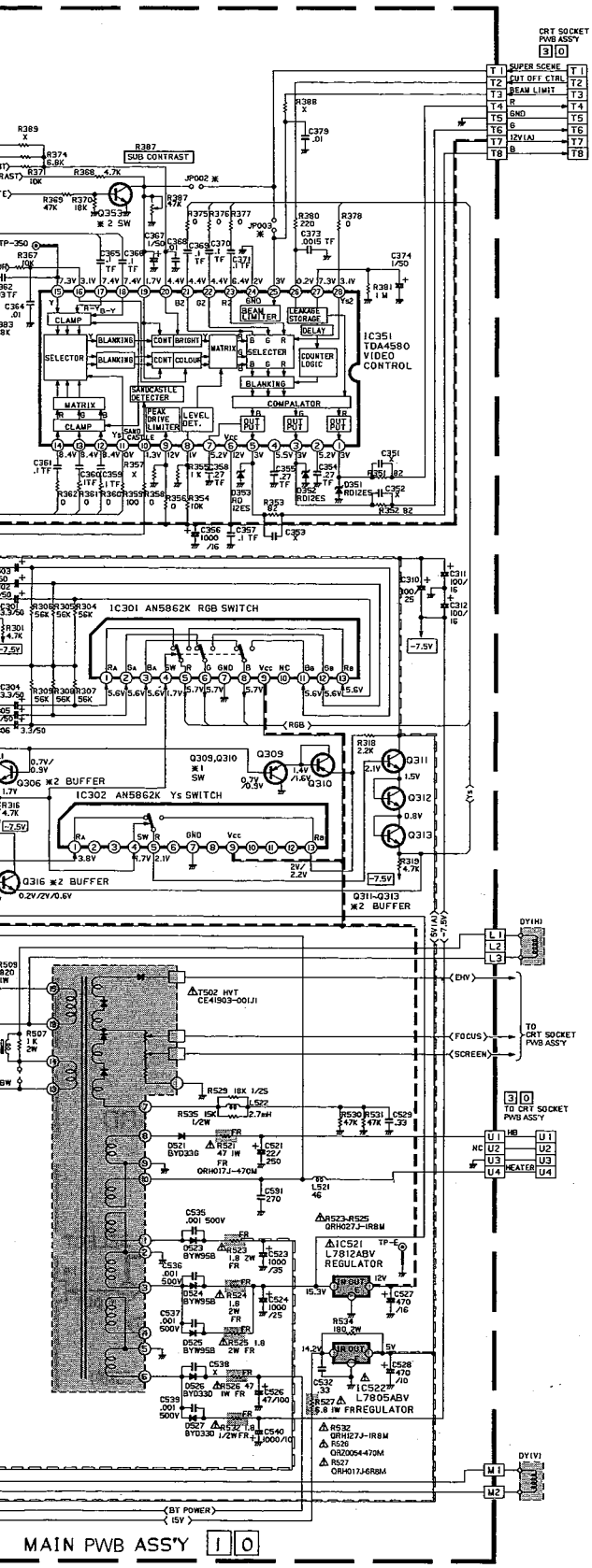



MODEL ONLY
MUTE PWB ASS'Y
POWER PWB ASS'Y
SP(L)
SP(R)
IA AUDIO PWB ASS'Y
IP ASP PWB ASS'Y
IF VIF PWB ASS'Y
IS AV SELECTOR PWB ASS'Y
IY Y/C SEPA. PWB ASS'Y
IT TELETEXT PWB ASS'Y
IV VIDEO/CHROMA PWB ASS'Y
IC702 M6M80041P EEPROM
IC705 MC78L05ACP 5V REGULATOR
IC901 L7812ABV 12V REGULATER
Q501 2SC3669 H DRIVE
Q502 BU508AFI H OUT
IC541 TDA3653C VERT OUT
Q901 ×2 SW DRIVE
Q902 2SA966(OY)-T SW
Q801 ×2 INVERTER
Q861 ×2 INVERTER
Q717 ×2 AUDIO MUTE
Q711 ×1 Ys AMP
Q712 ×1 B AMP
Q713 ×1 G AMP
Q714 ×1 R AMP
Q715 ×2 INV.
Q716 ×2 INV.
Q331 ×2 SD SW
Q354 ×2 SW
Q352 ×1 Y AMP
Q351 ×1 BUFFER
Q301~Q303 ×2 BUFFER
Q304,Q305 ×2 SW
Q307,Q308 ×1 SW
Q316 ×2 BUFF
Q315
Q314 ×1 SW
Q305 ×2 BUFFER
D771~D772 MA700
SUB BRIGHT
(BRIGHT)
(CONTRAST)
(P.MUTE)
(COLOUR)
CLAMP
SELECTOR
MATRIX
(A.MUTE)
(I2V(C))
(I2V(B))
(I2V(A))
(STBY 5V)
(TINT)
(BALANCE)
(COLOUR)
(BRIGHT)
(CONTRAST)
(SHARPNESS)
(TREBLE)
(BASS)
(VOL)
(VP)
(DC FB)
(AC FB)
(HD)
(VD)
(RGB,YS)
(P.MUTE)
(AFC)
(CTRL)
(ASP)
(SYNC DET)
(I²C)
(TEXT/OTHERS)
(VOR/REV)
KEY SCAN DATA
REMOCON
POWER FAIL DET
SYSTEM
TREBLE
BASS
CONTRAST
BRIGHT
TINT
VOL
SHARPNESS
COLOUR
AFC
OSC
SYNC
STEREO
TU/V
POWER
MUTE
TIMER ON/OFF
RETRACE TIME SW
DRIVE
OUTPUT
FLYBACK GENERATOR
V.CENTER
Attached with "×" : Refer COMPARISON LIST
Attached with "X" : NO PARTS MOUNTING
MAIN P

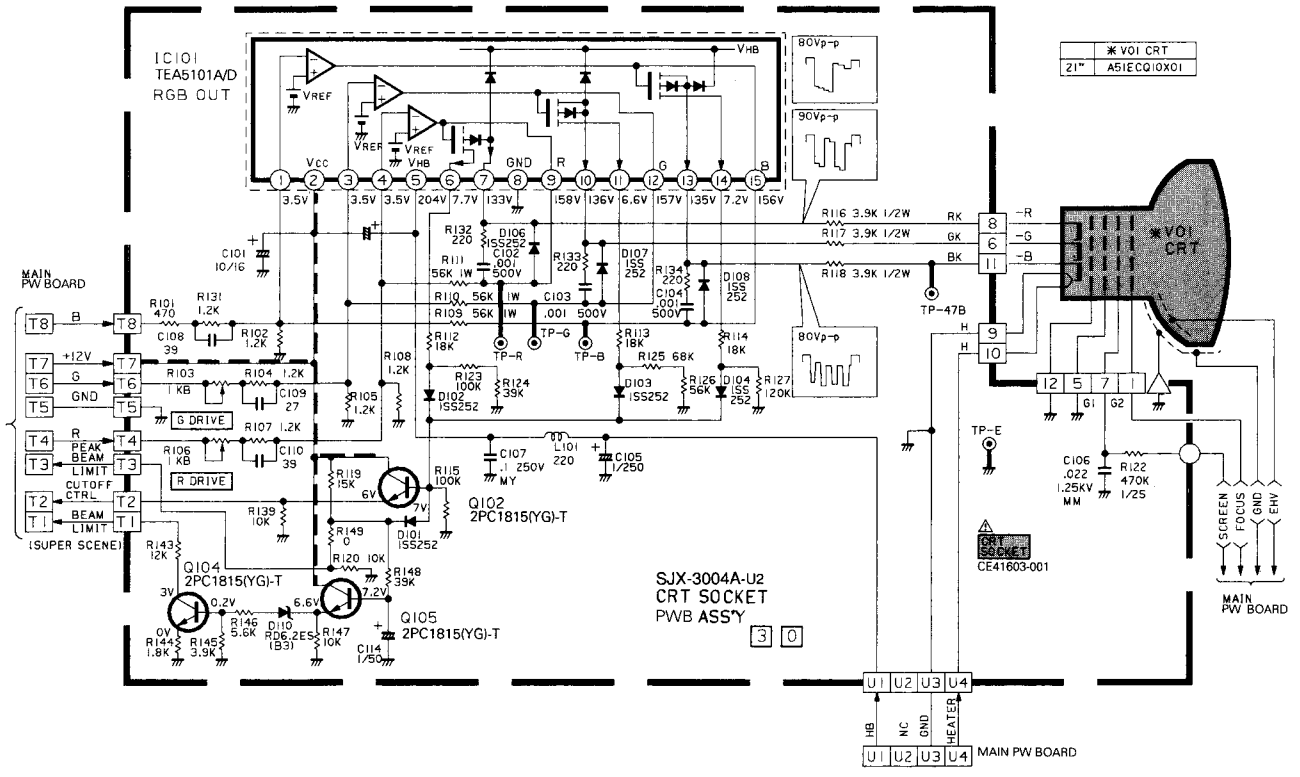
LED PWB PATTERN

(Magnification Rate 138%)

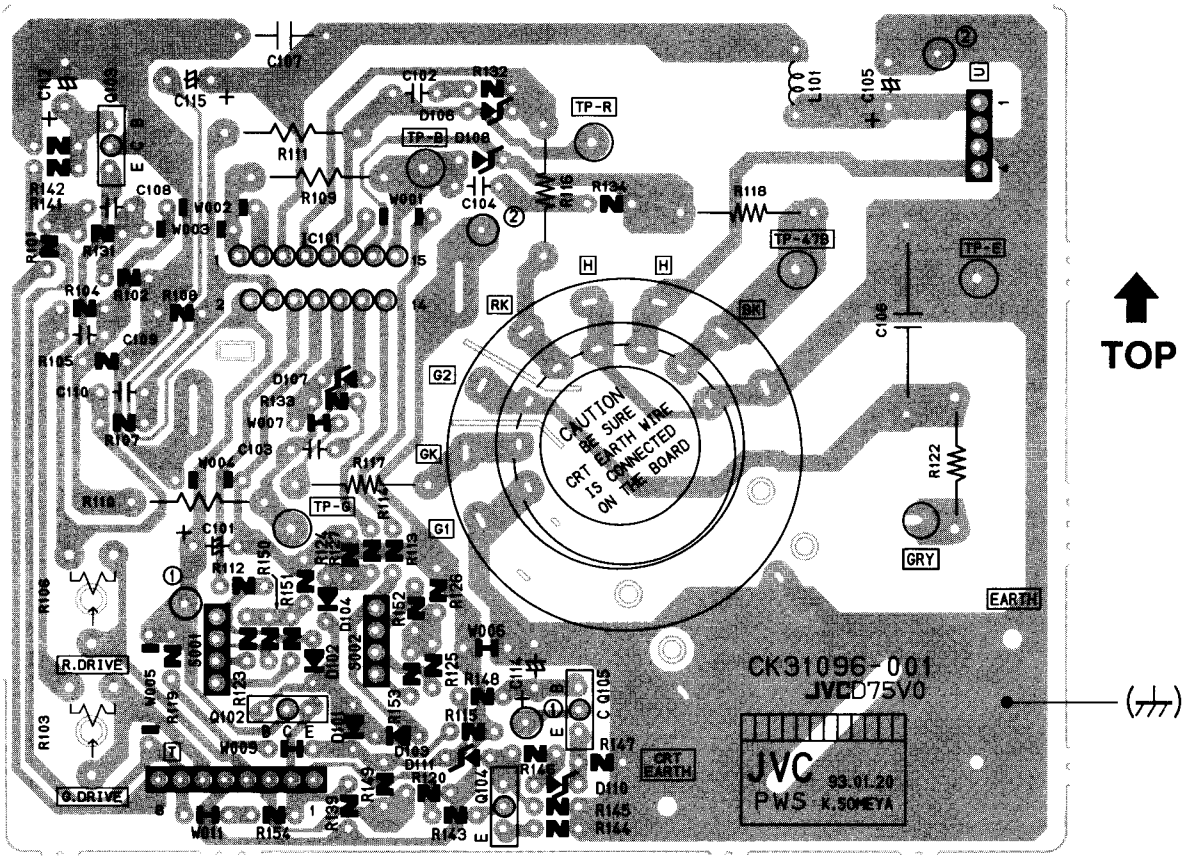




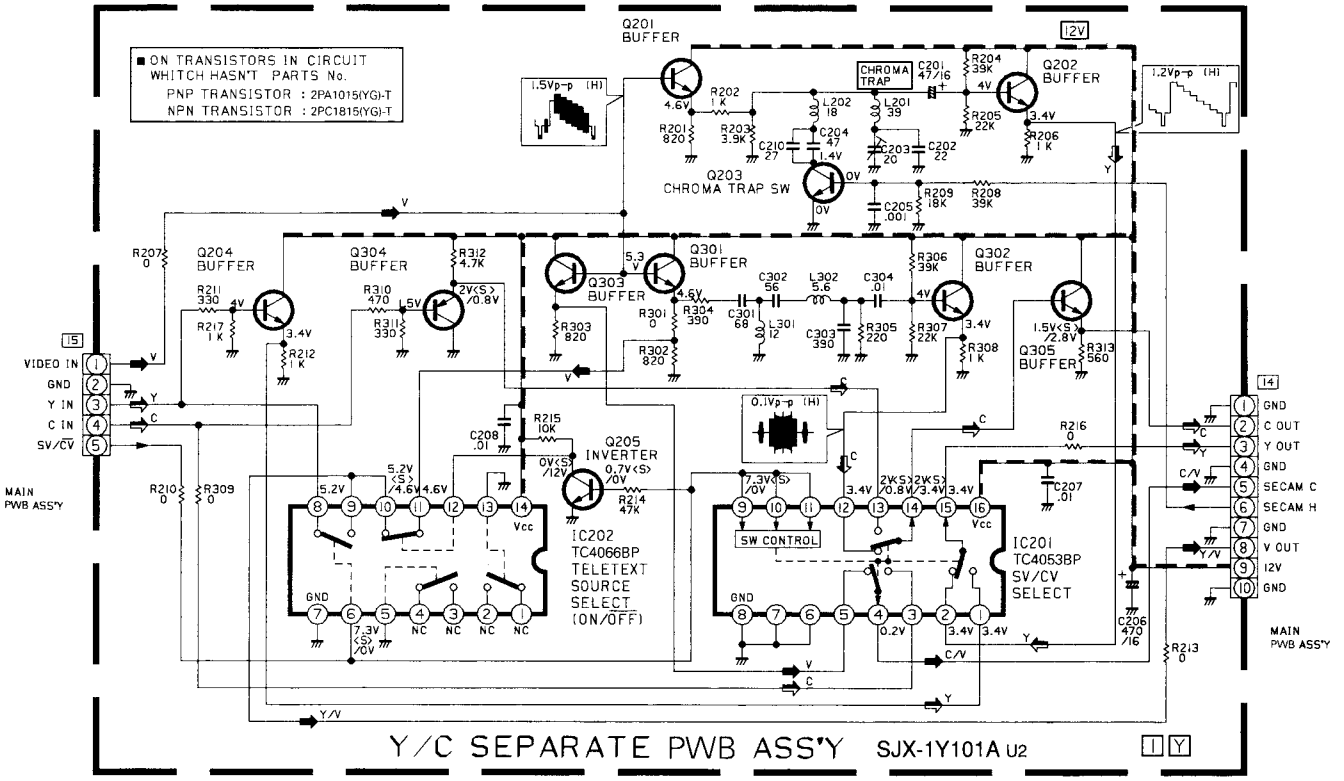
CRT SOCKET PWB CIRCUIT DIAGRAM AND PWB PATTERN



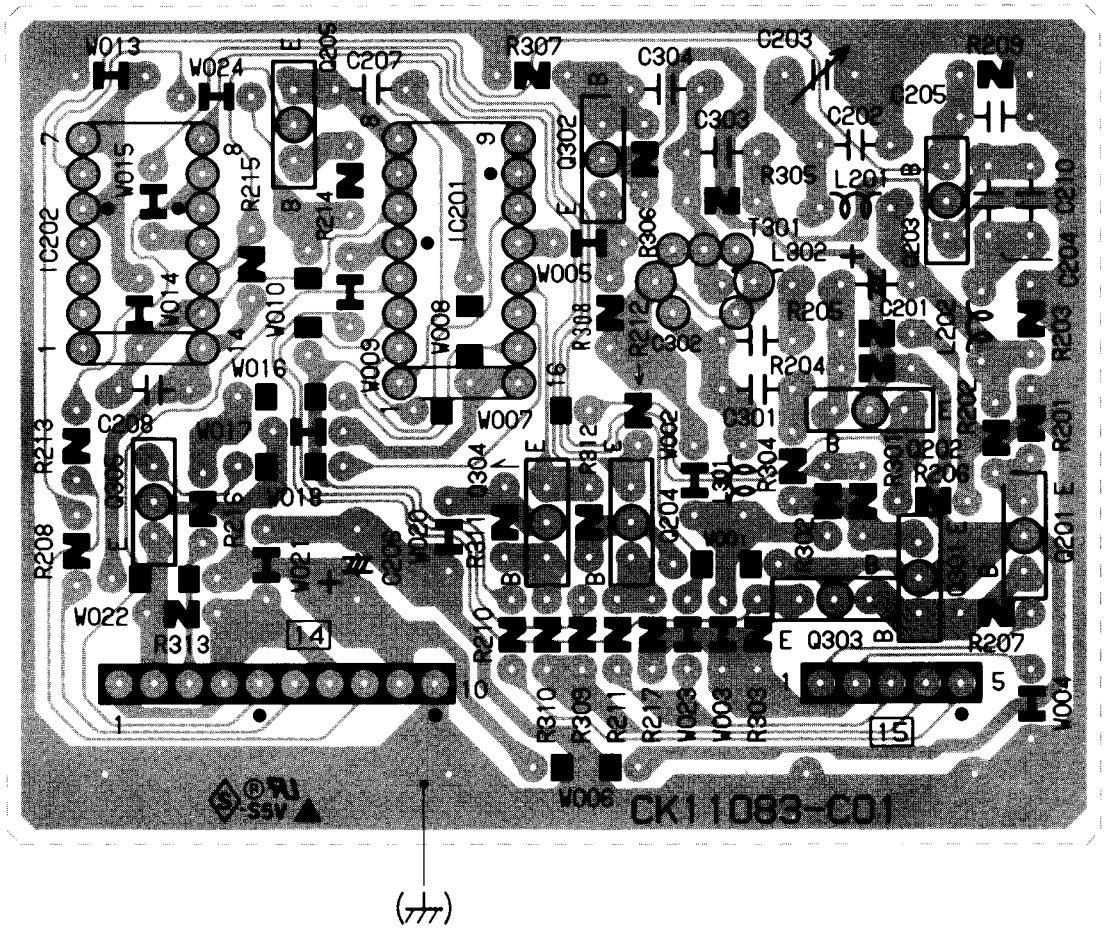
(Magnification Rate 117%)



Y/C SEPARATE PWB CIRCUIT DIAGRAM AND PWB PATTERN

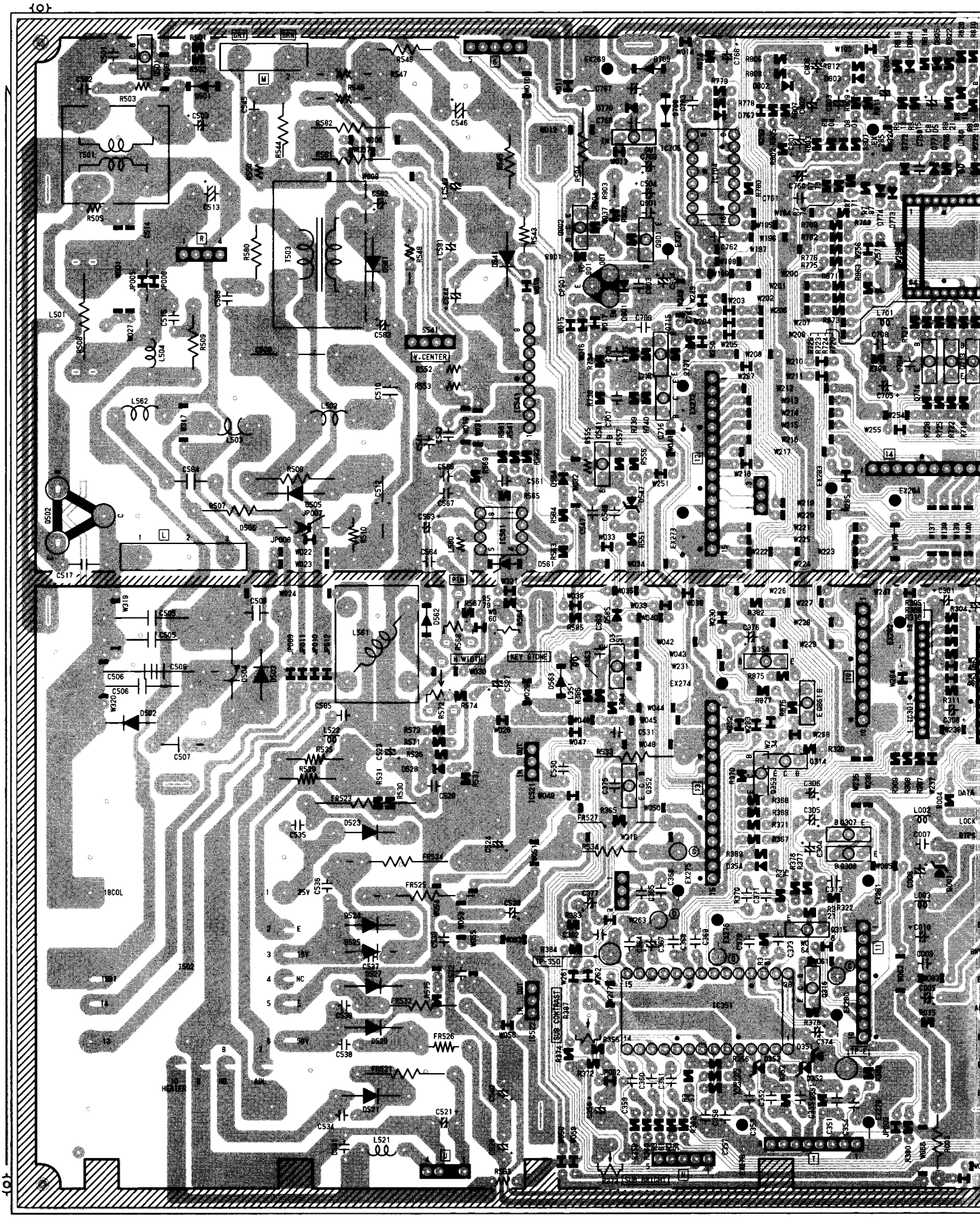


(Magnification Rate 186%)



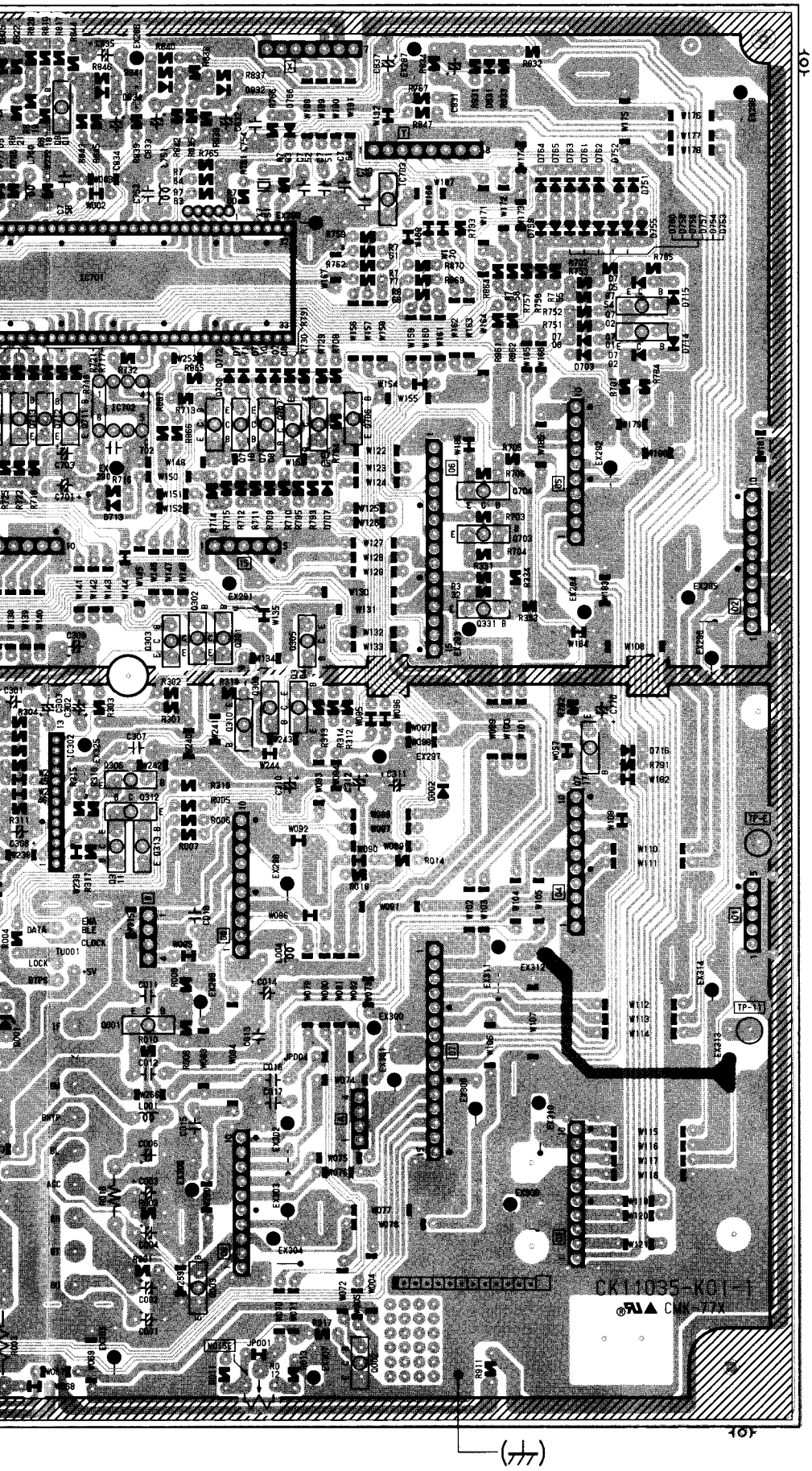
TOP

MAIN PWB PATTERN



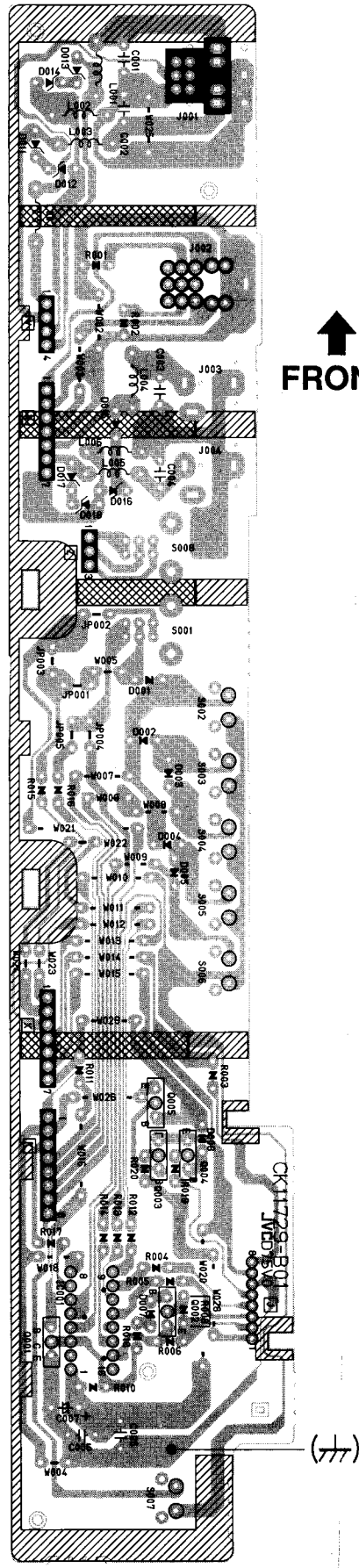
FRONT

(Magnification Rate 95%)

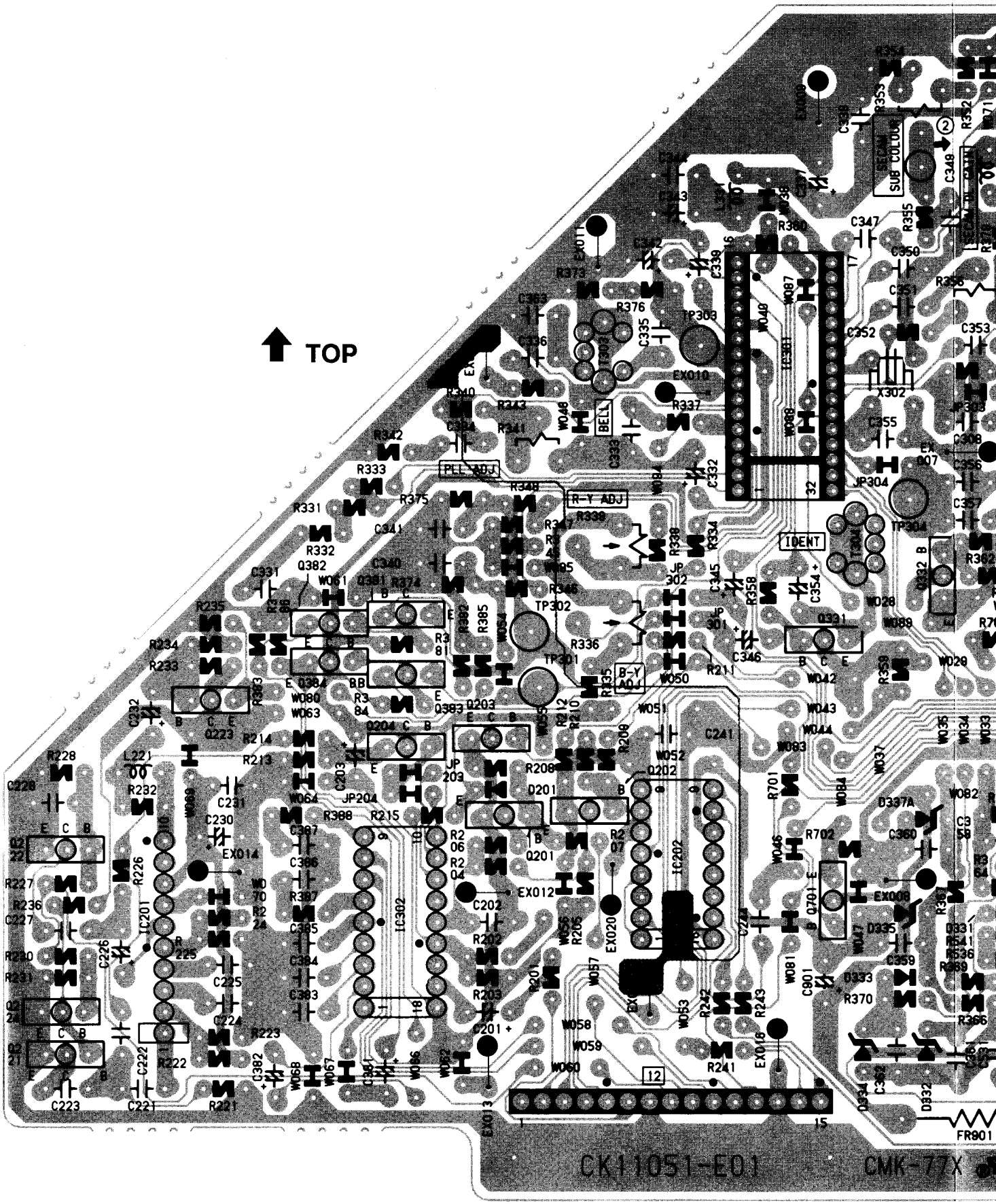


CONTROL PWB PATTERN

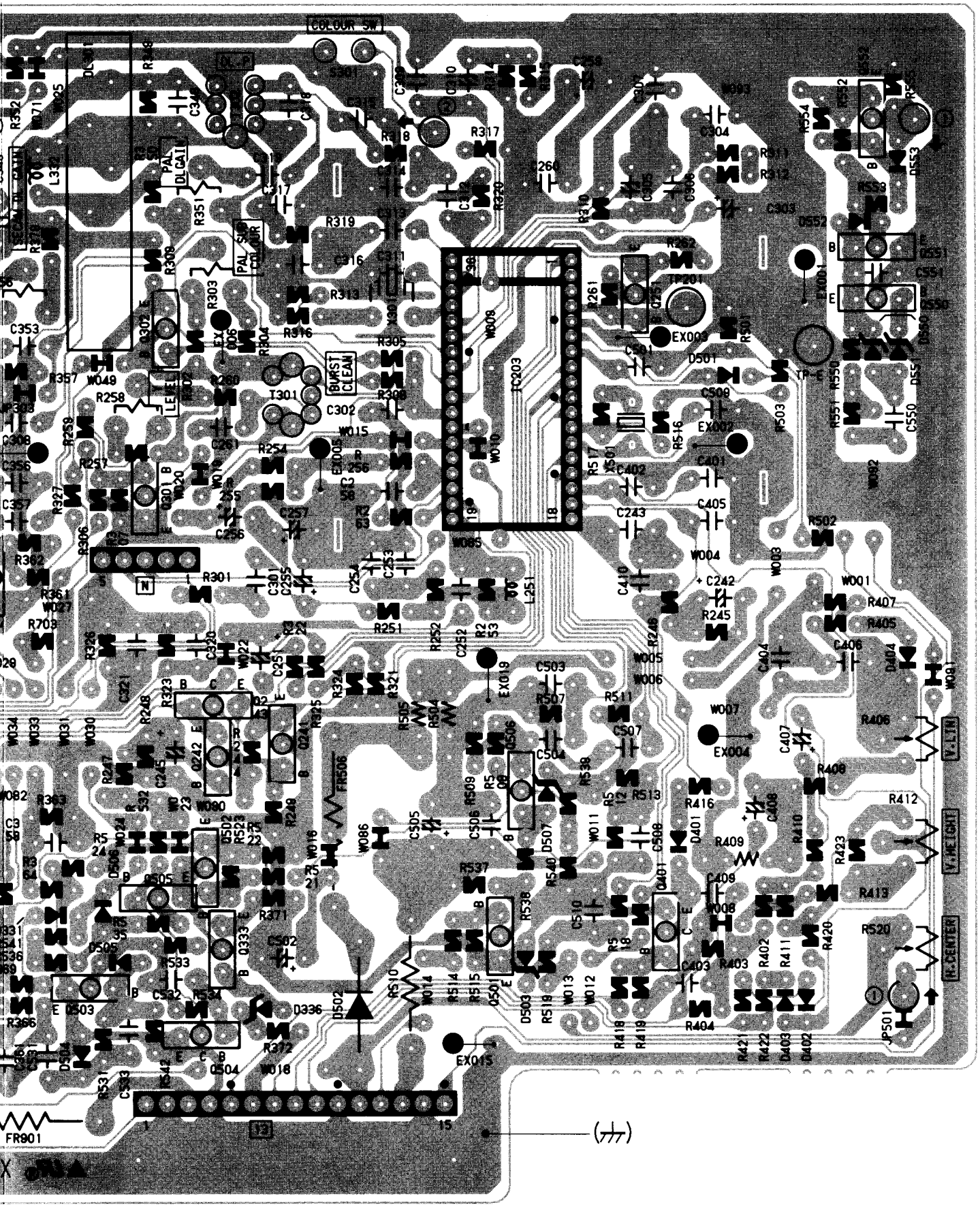
(Magnification Rate 83%)



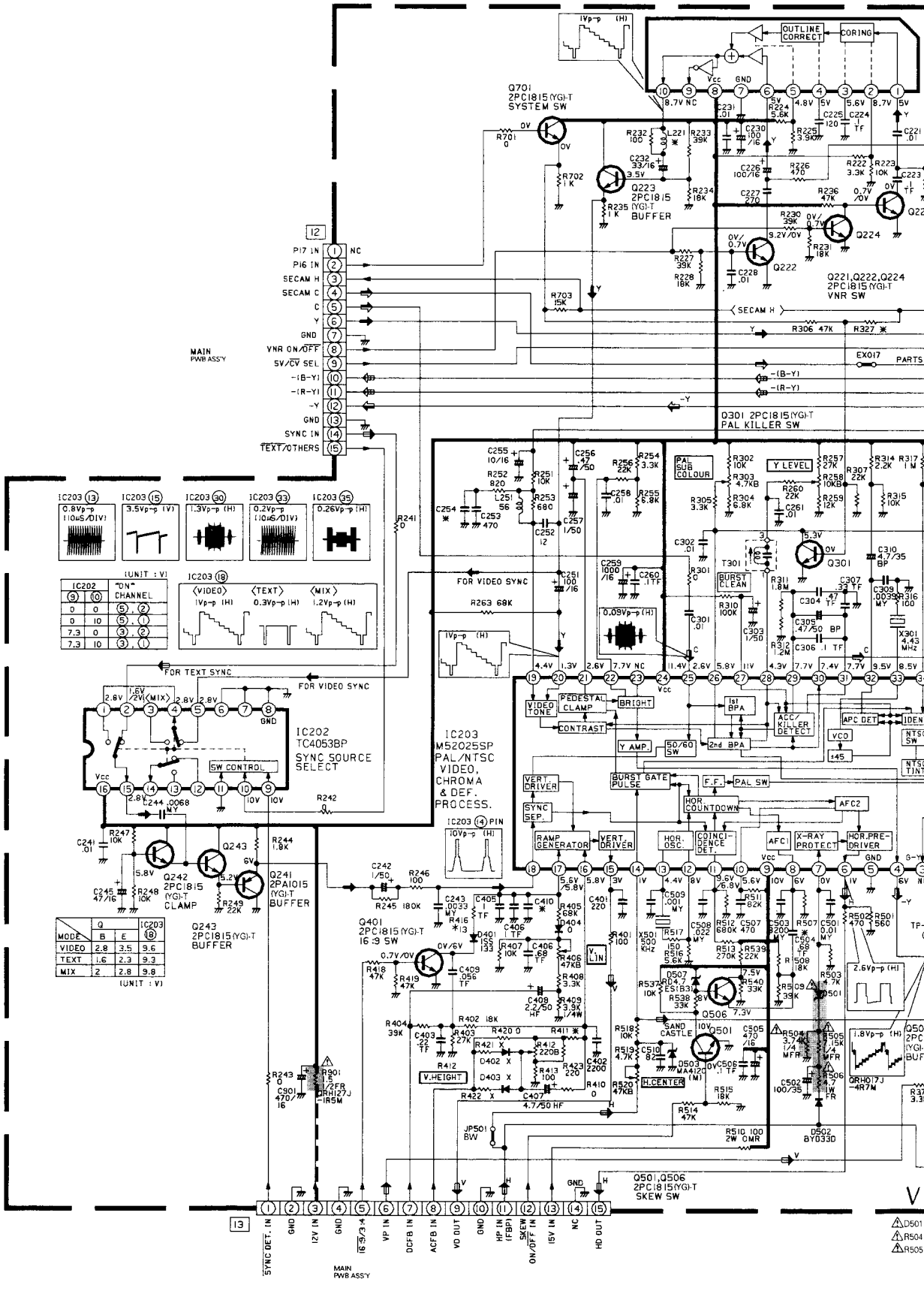
VIDEO / CHROMA PWB PATTERN

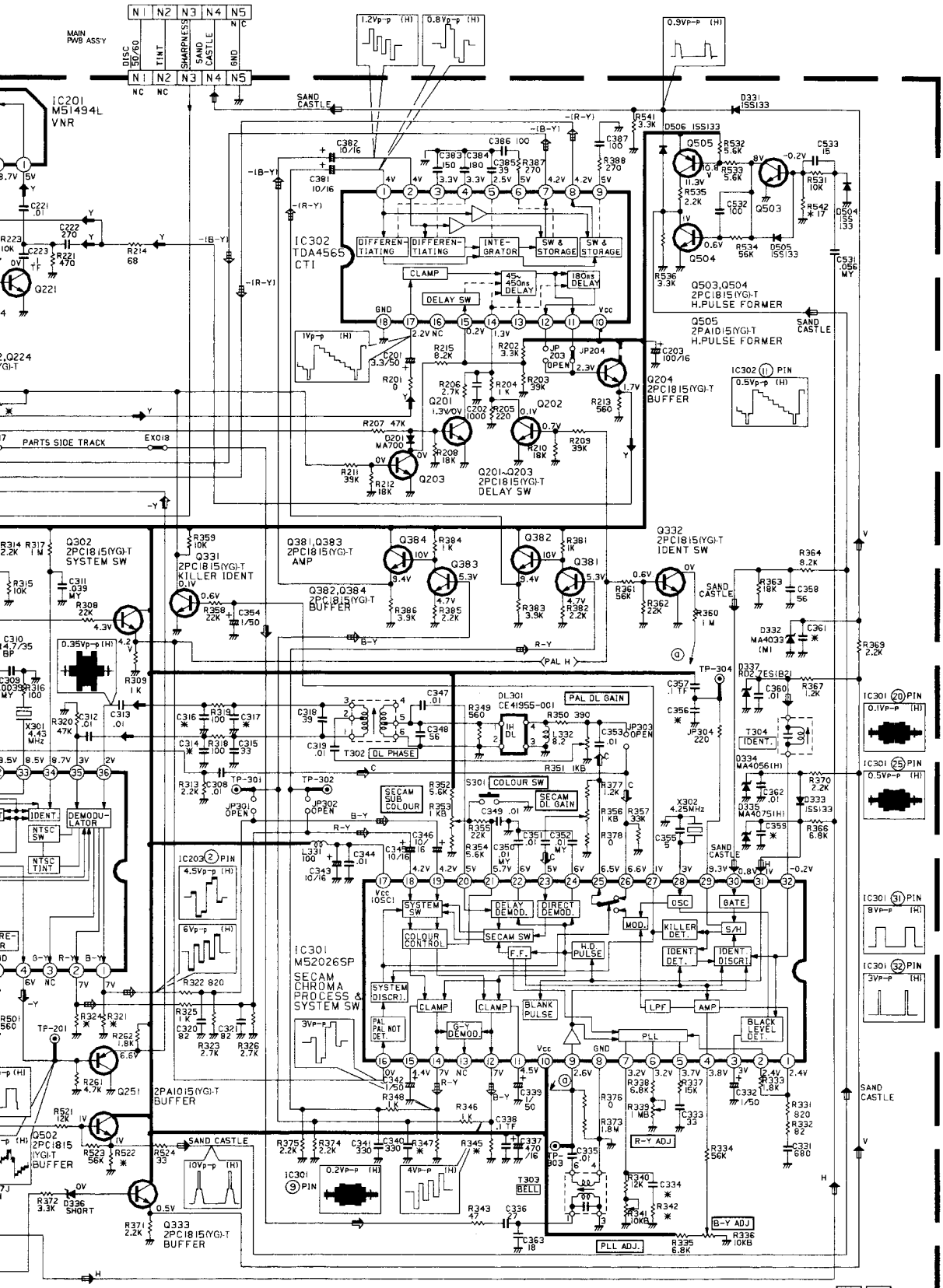


(Magnification Rate 166%)



VIDEO / CHROMA PWB CIRCUIT DIAGRAM





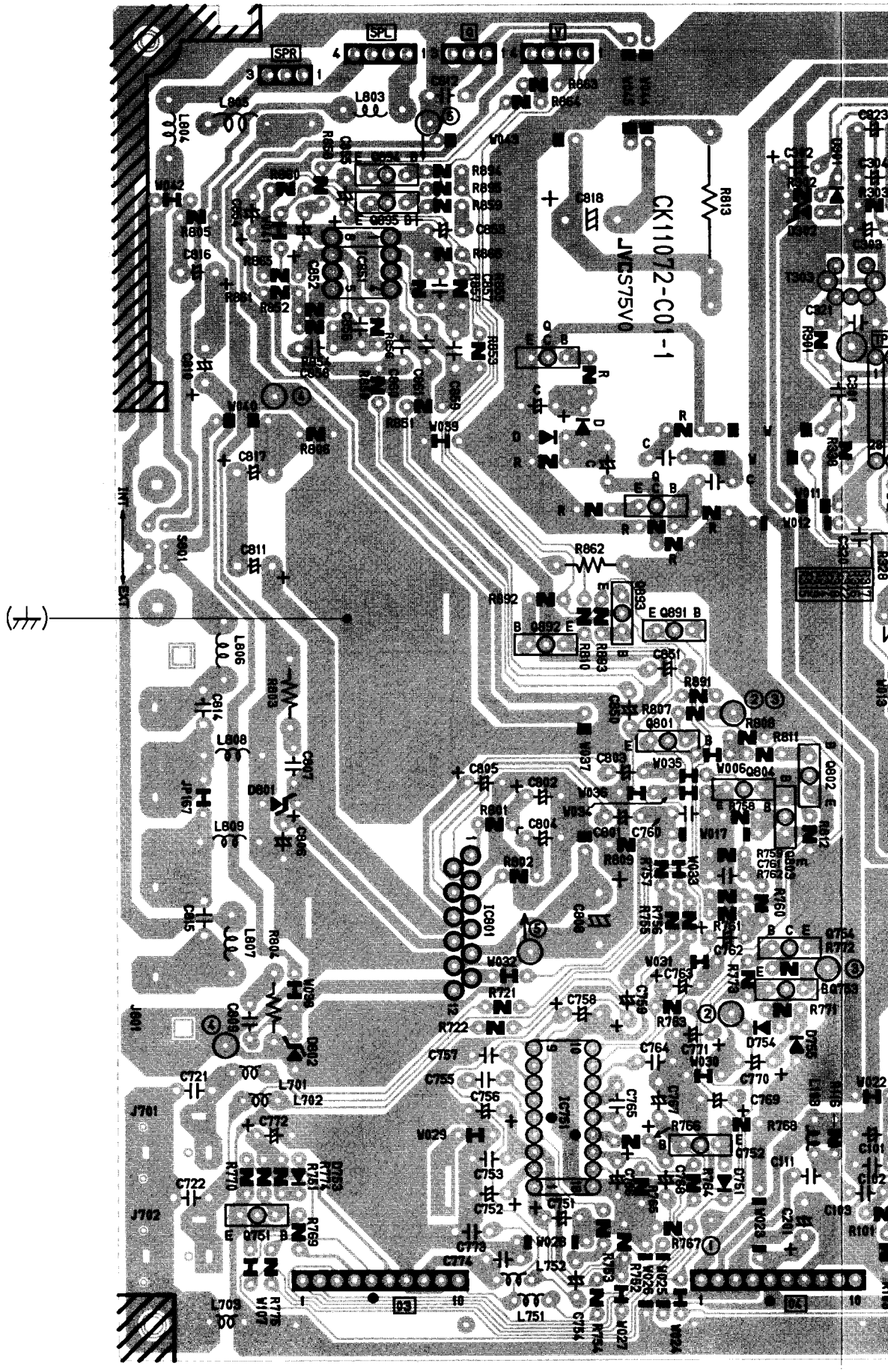
VIDEO CHROMA PWB ASS'Y SJX-1V105AU2

NOTE: "*" MARK INDICATES NO PART MOUNTING

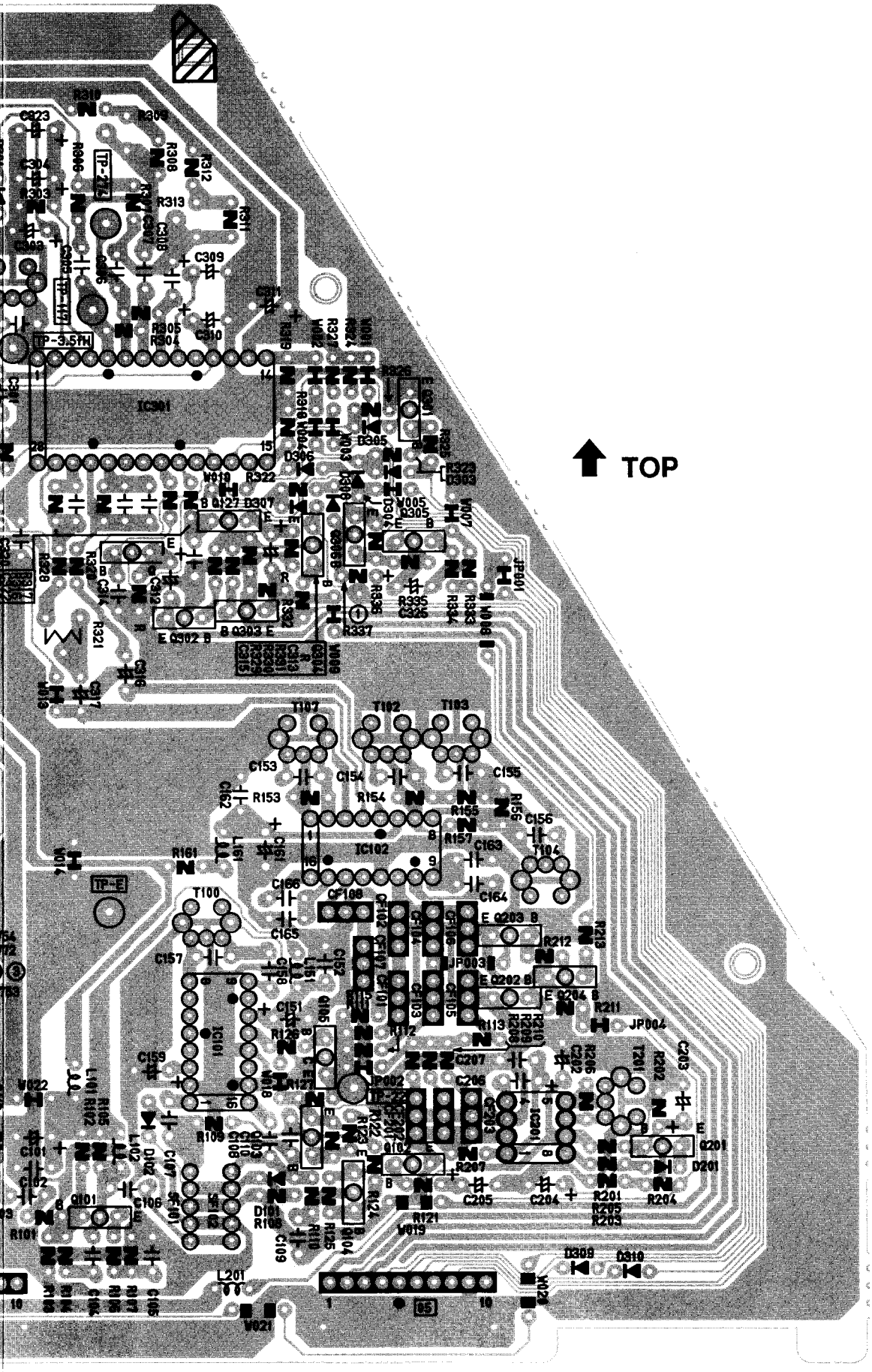
⚠D501 MA4068(N)C1-T2
⚠R504 QRV141F-3741AY
⚠R505 QRV141F-7151AY

AUDIO PWB PATTERN

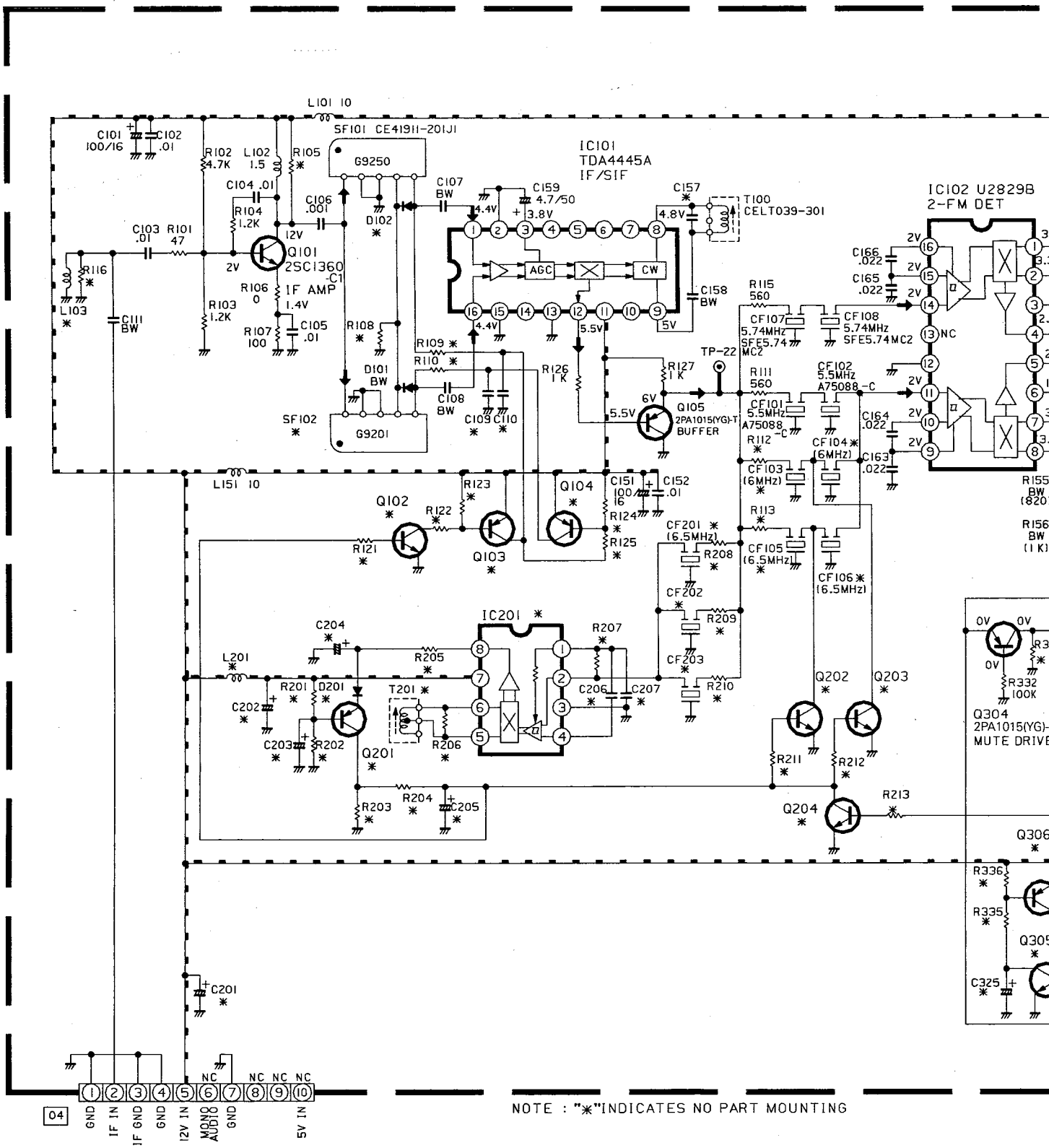
(Magnifi



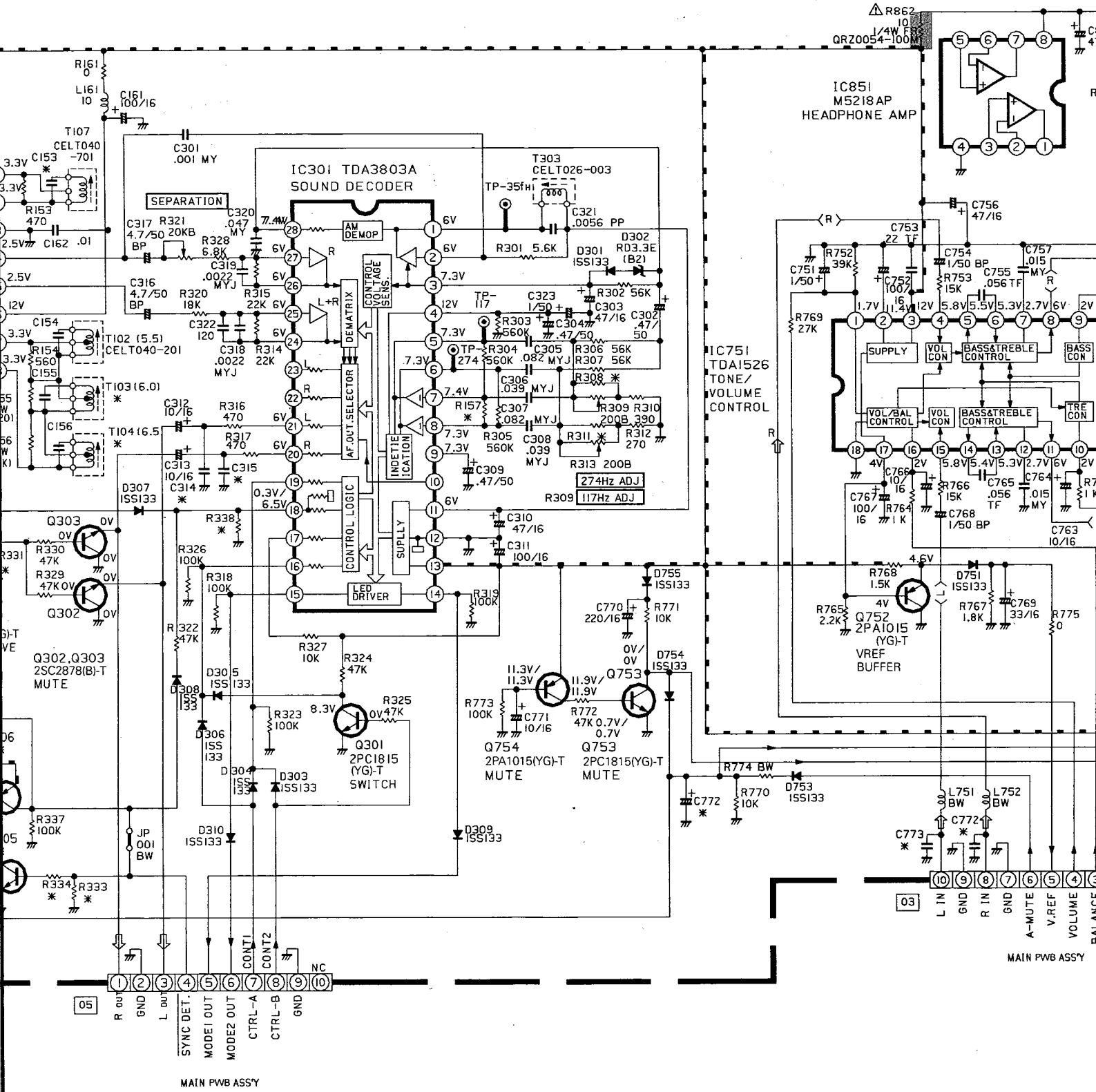
(Magnification Rate 123%)

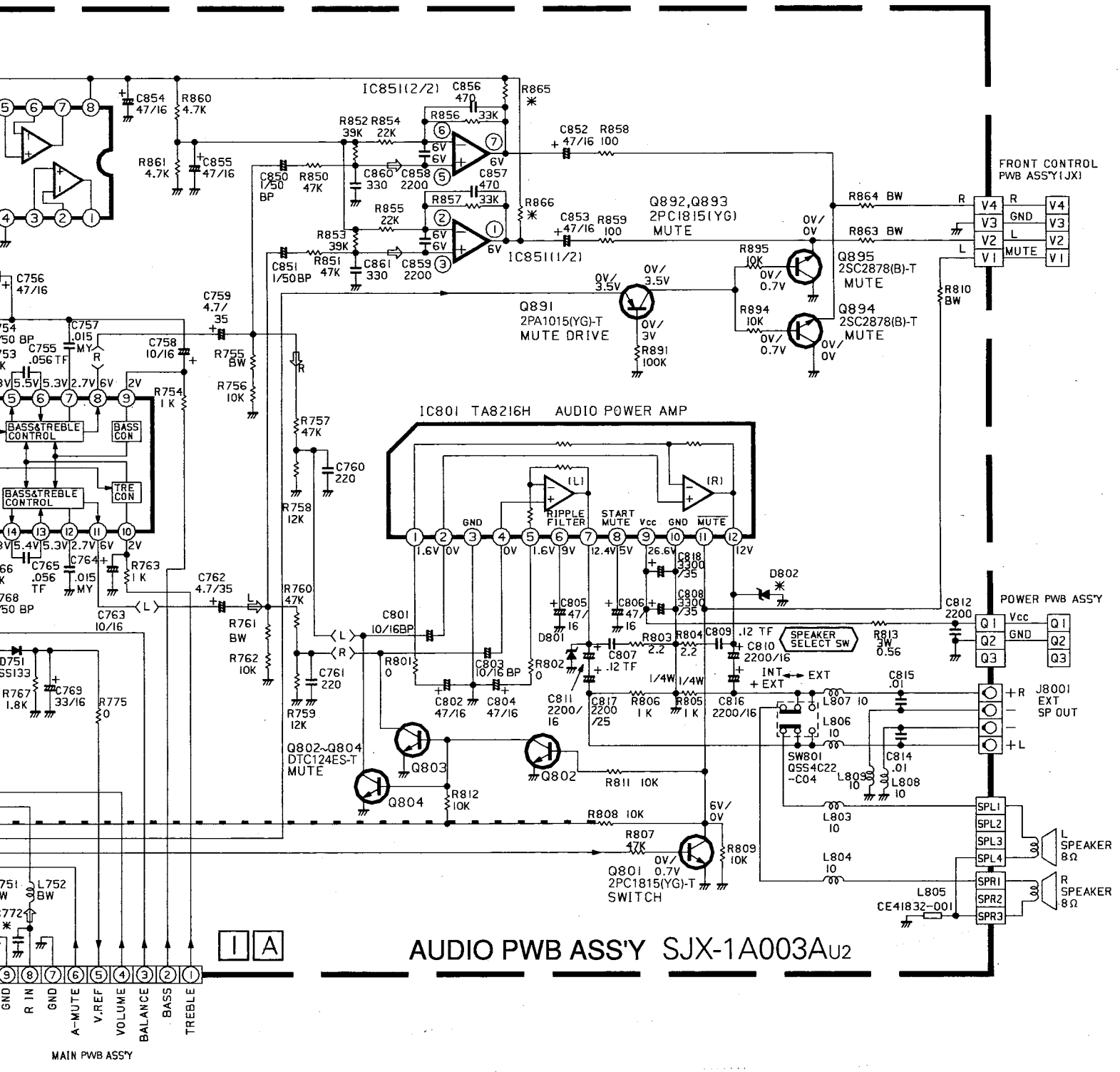


AUDIO PWB CIRCUIT DIAGRAM

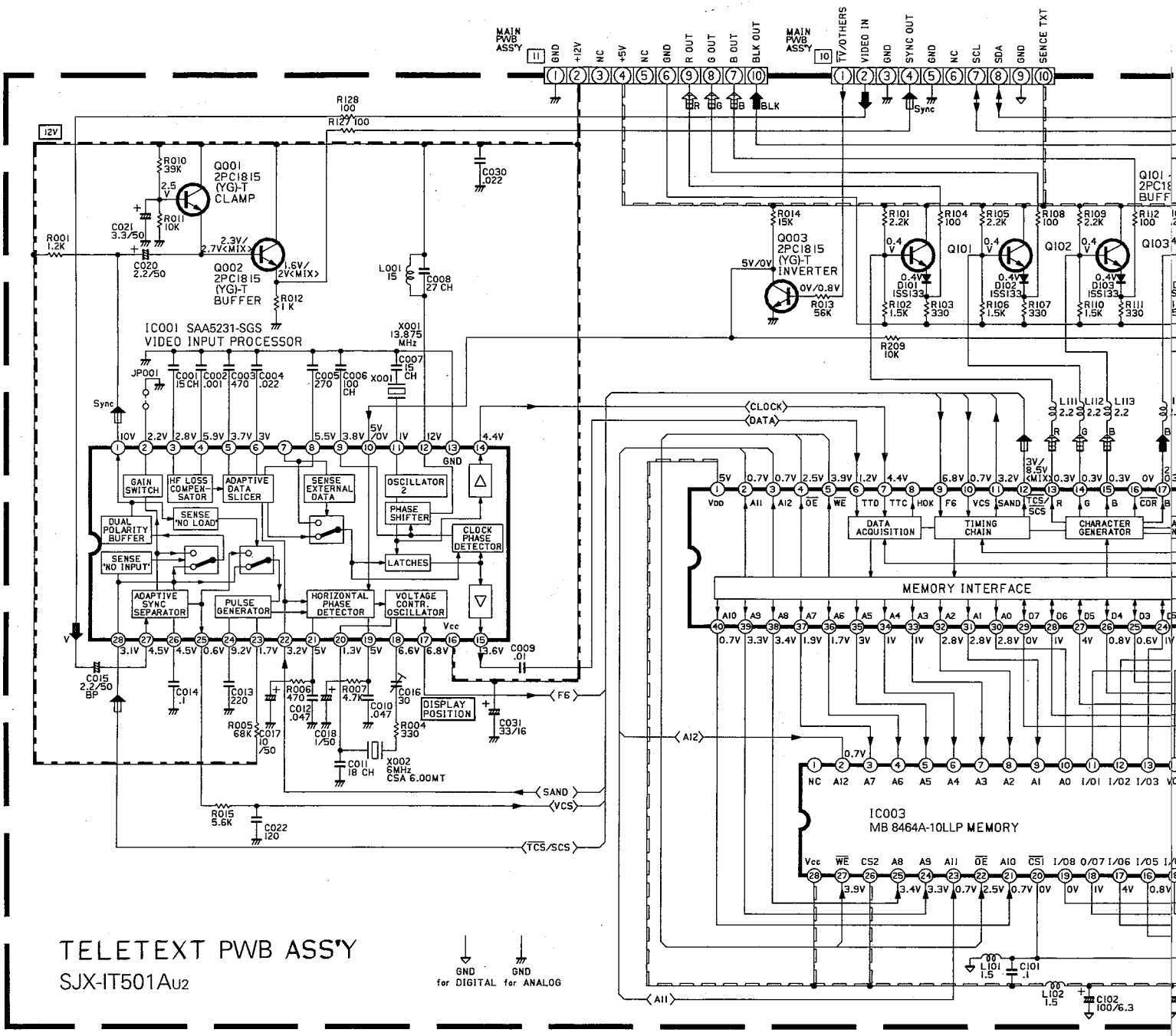


NOTE : "*"INDICATES NO PART MOUNTING

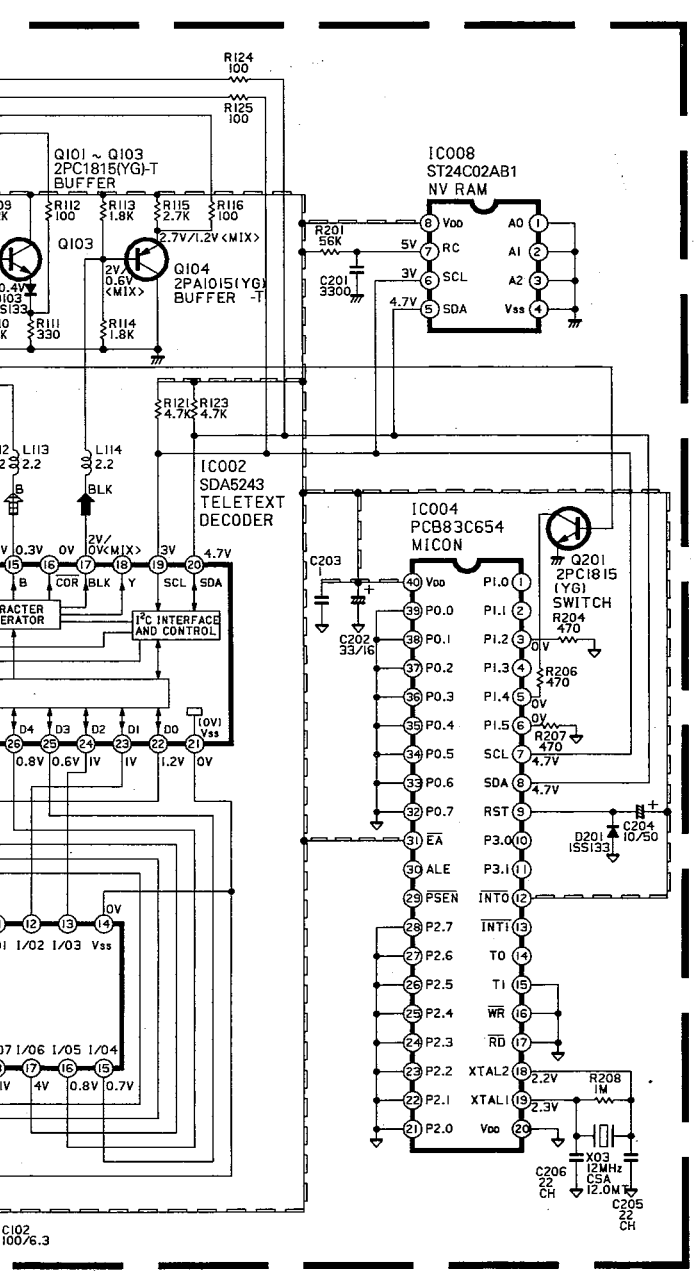

IC301 TDA3803A
SOUND DECODER
SEPARATION
AM DEMOP
DEMATRIX
CONTROL VOLTAGE GENS.
AF.OUT.SELECTOR
INDETIE ICATION
CONTROL LOGIC
SUPPLY
LED DRIVER
T303 CELT026-003
IC851 M5218AP HEADPHONE AMP
IC751 TDA1526 TONE/ VOLUME CONTROL
SUPPLY
VOL CON
BASS&TREBLE CONTROL
BASS CON
TRE CON
VOL/BAL CONTROL
274Hz ADJ
117Hz ADJ
Q303
Q302,Q303 2SC2878(B)-T MUTE
Q301 2PC1815 (YG)-T SWITCH
Q754 2PA1015(YG)-T MUTE
Q753 2PC1815(YG)-T MUTE
Q752 2PA1015 (YG)-T VREF BUFFER
D301 ISS133
D302 RD3.3E (B2)
D303 ISS133
D304 ISS133
D305 ISS133
D306 ISS133
D307 ISS133
D308 ISS133
D309 ISS133
D310 ISS133
D751 ISS133
D753 ISS133
D754 ISS133
D755 ISS133
JP 001 BW
L751 BW
L752 BW
R out
GND
L out
SYNC DET.
MODE1 OUT
MODE2 OUT
CTRL-A
CTRL-B
CONT1
CONT2
NC
L IN
GND
R IN
GND
A-MUTE
V.REF
VOLUME
MAIN PWB ASS'Y
MAIN PWB ASS'Y

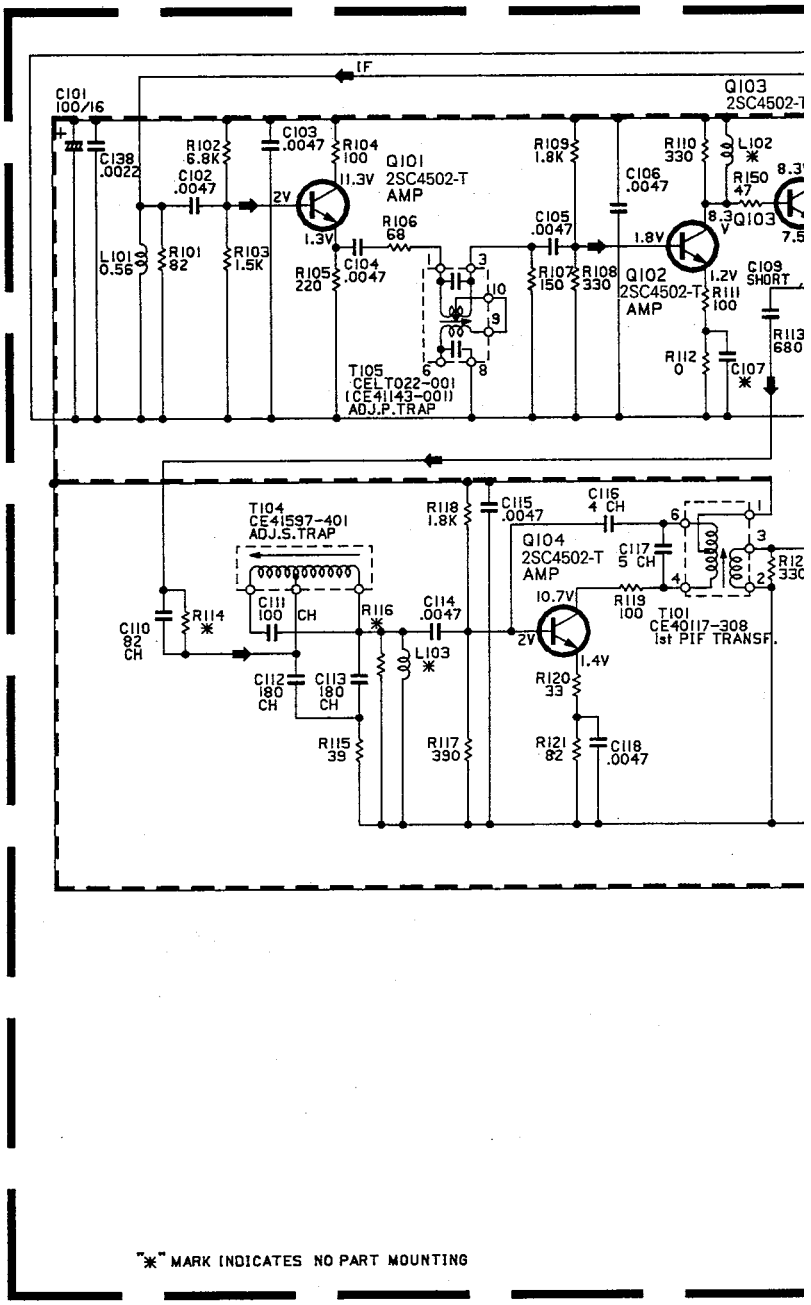

IC851(2/2)
IC851(1/2)
Q892,Q893
2PC1815(YG)
MUTE
Q895
2SC2878(B)-T
MUTE
Q894
2SC2878(B)-T
MUTE
Q891
2PA1015(YG)-T
MUTE DRIVE
FRONT CONTROL
PWB ASS'Y (JX)
IC801 TA8216H AUDIO POWER AMP
RIPPLE FILTER
START MUTE
BASS&TREBLE CONTROL
BASS CON
TRE CON
POWER PWB ASS'Y
SPEAKER SELECT SW
INT ↔ EXT
J8001 EXT SP OUT
Q802~Q804
DTC124ES-T
MUTE
Q801
2PC1815(YG)-T
SWITCH
SW801
QSS4C22-C04
L805
CE41832-001
L SPEAKER 8Ω
R SPEAKER 8Ω
GND
R IN
GND
A-MUTE
V.REF
VOLUME
BALANCE
BASS
TREBLE
MAIN PWB ASS'Y
AUDIO PWB ASS'Y SJX-1A003A U2

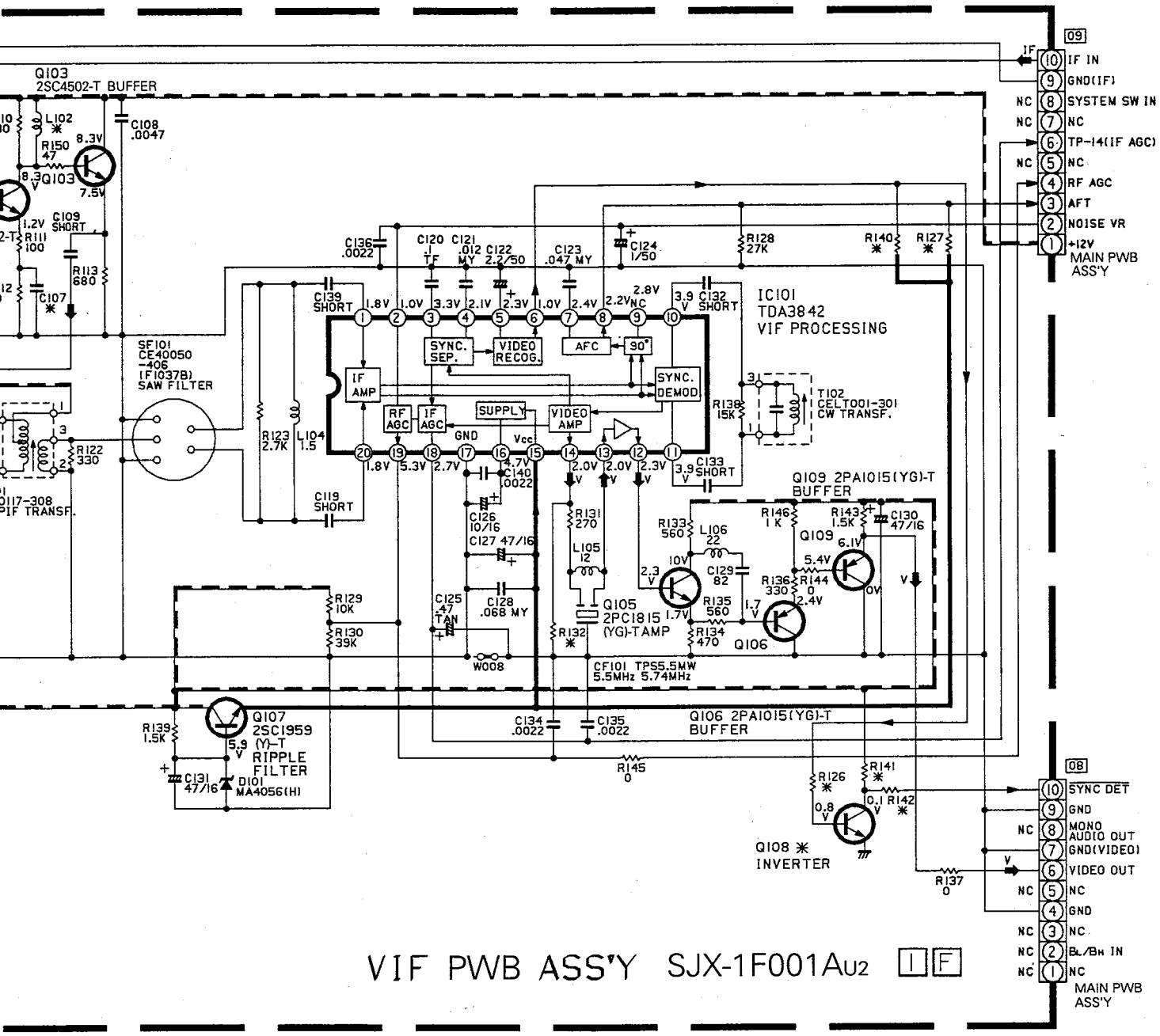
TELETEXT PWB CIRCUIT DIAGRAM



VIF PWB CIRCUIT DIAGRAM



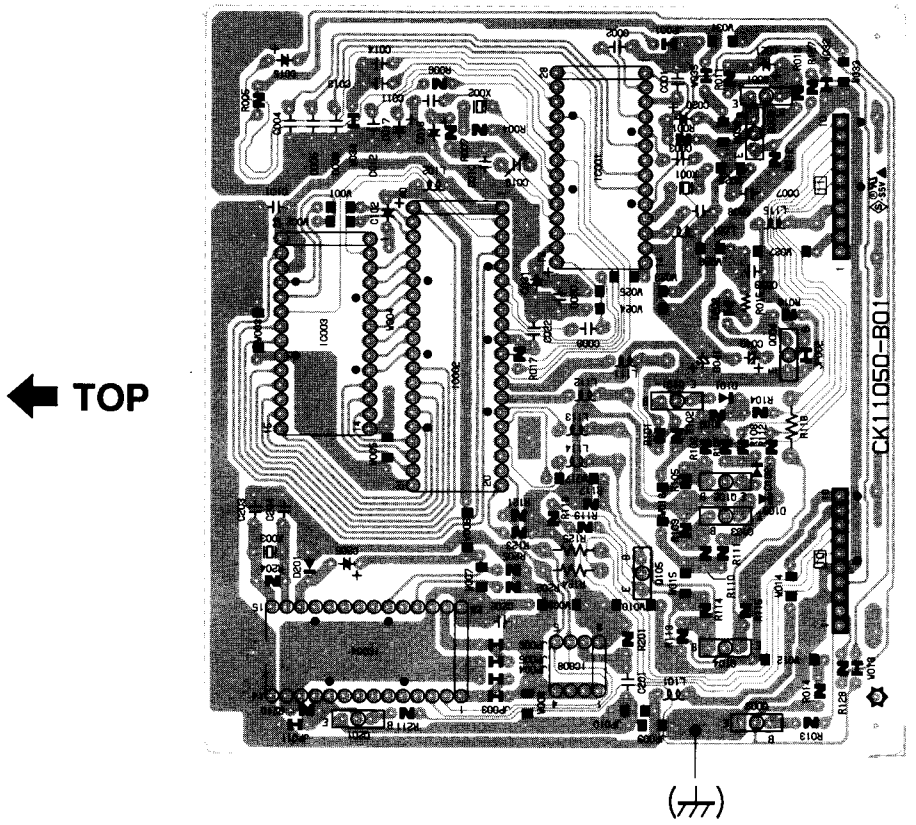




VIF PWB ASS'Y SJX-1F001Au2 [I][F]

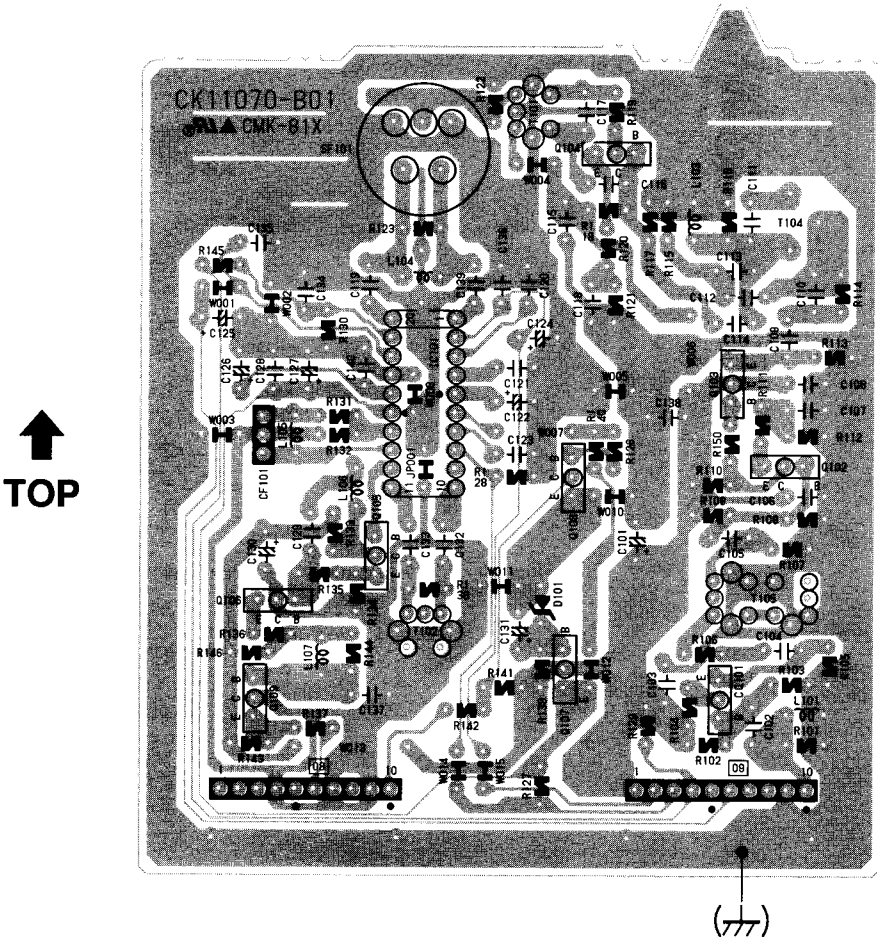
TELETEXT PWB PATTERN

(Magnification Rate 76%)



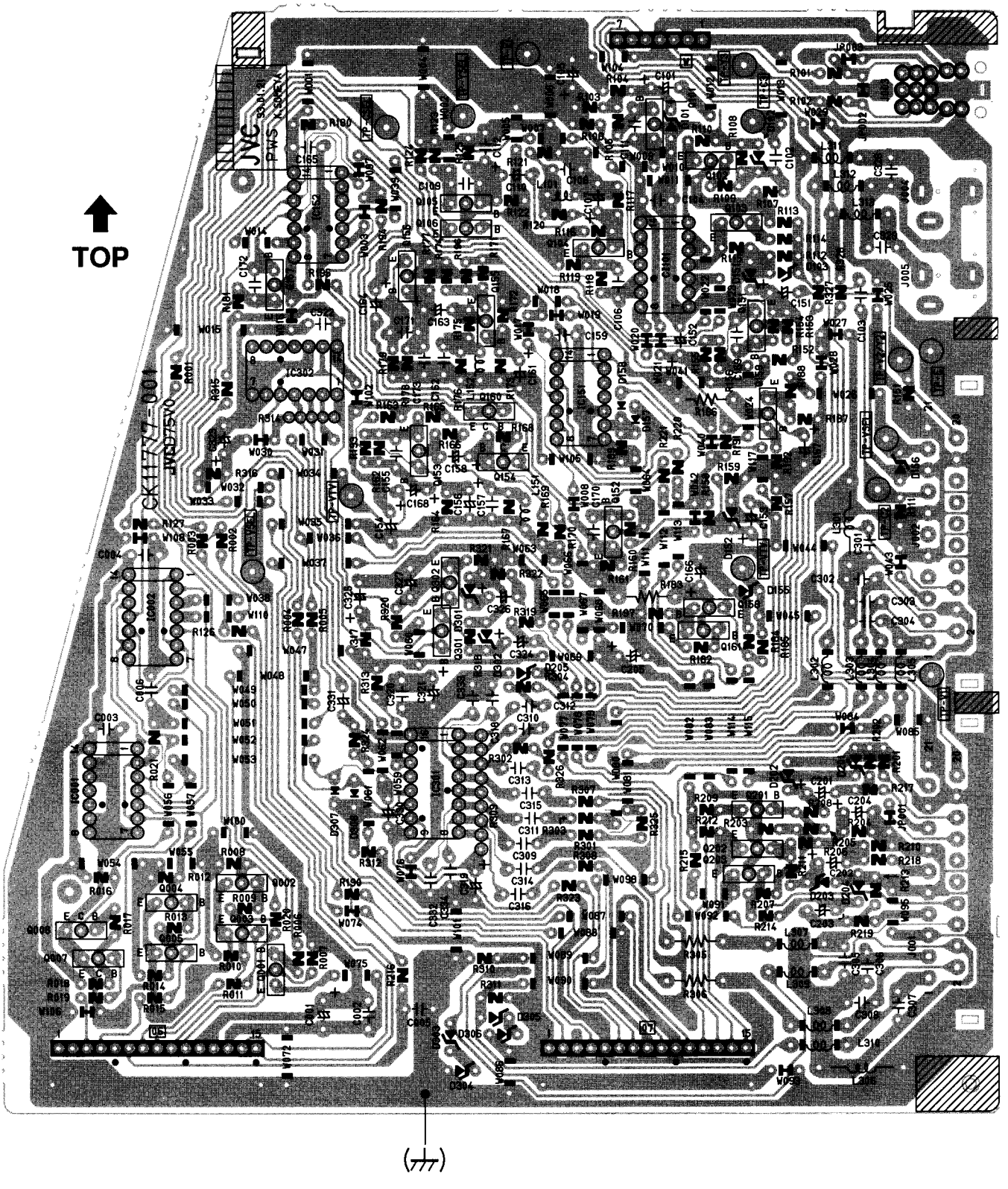
VIF PWB PATTERN

(Magnification Rate 100%)

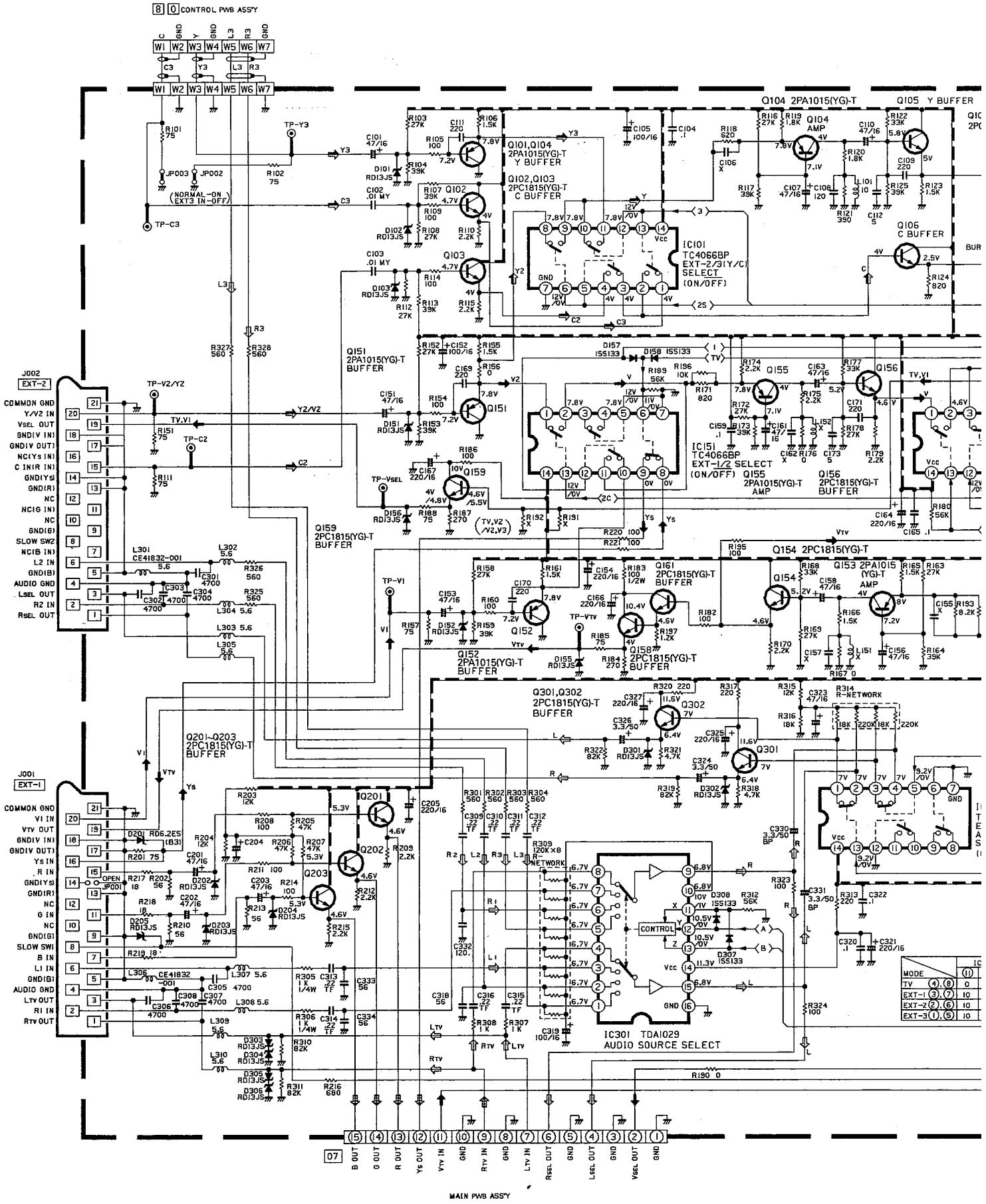


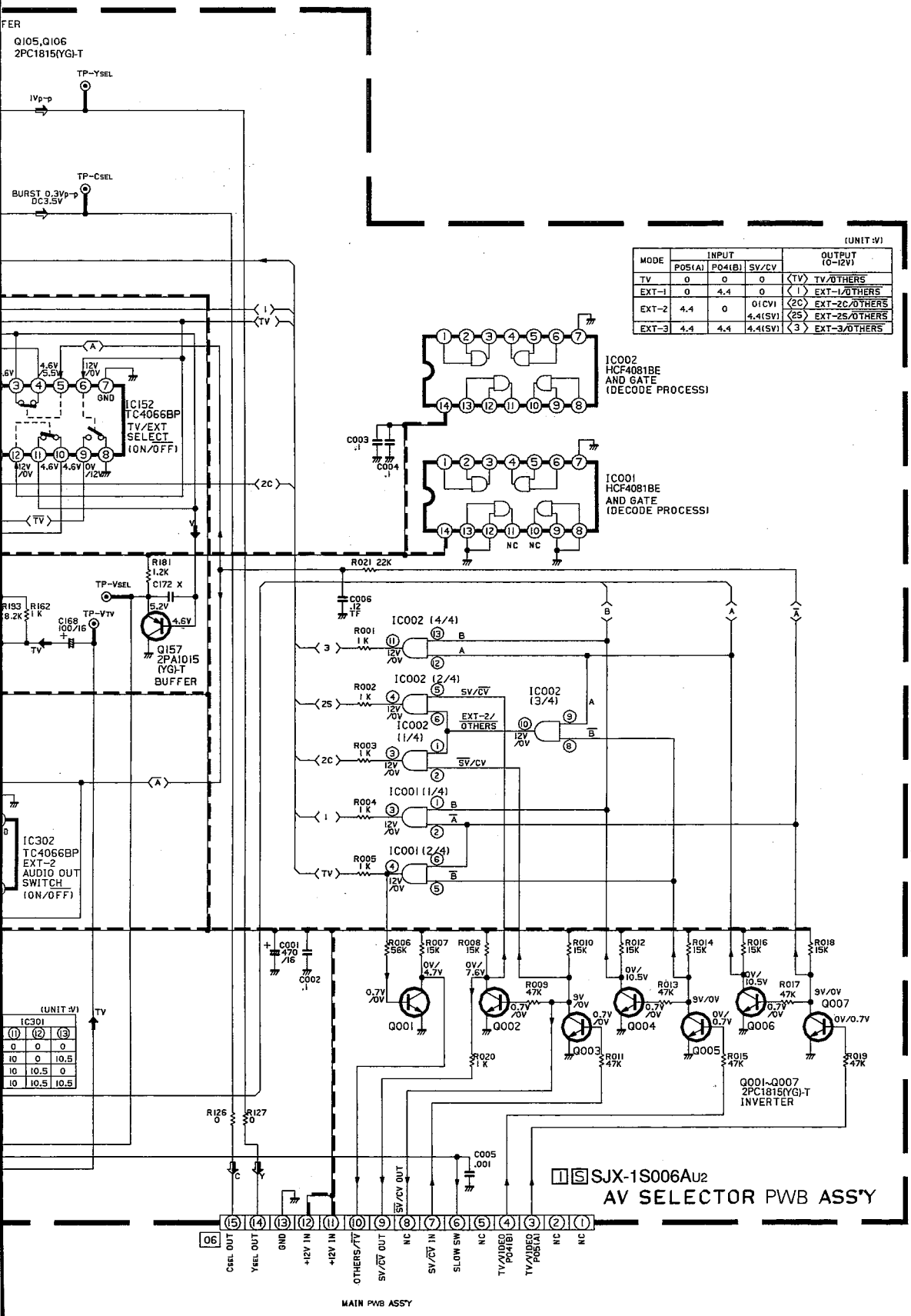
AV SELECTOR PWB PATTERN

(Magnification Rate 100%)

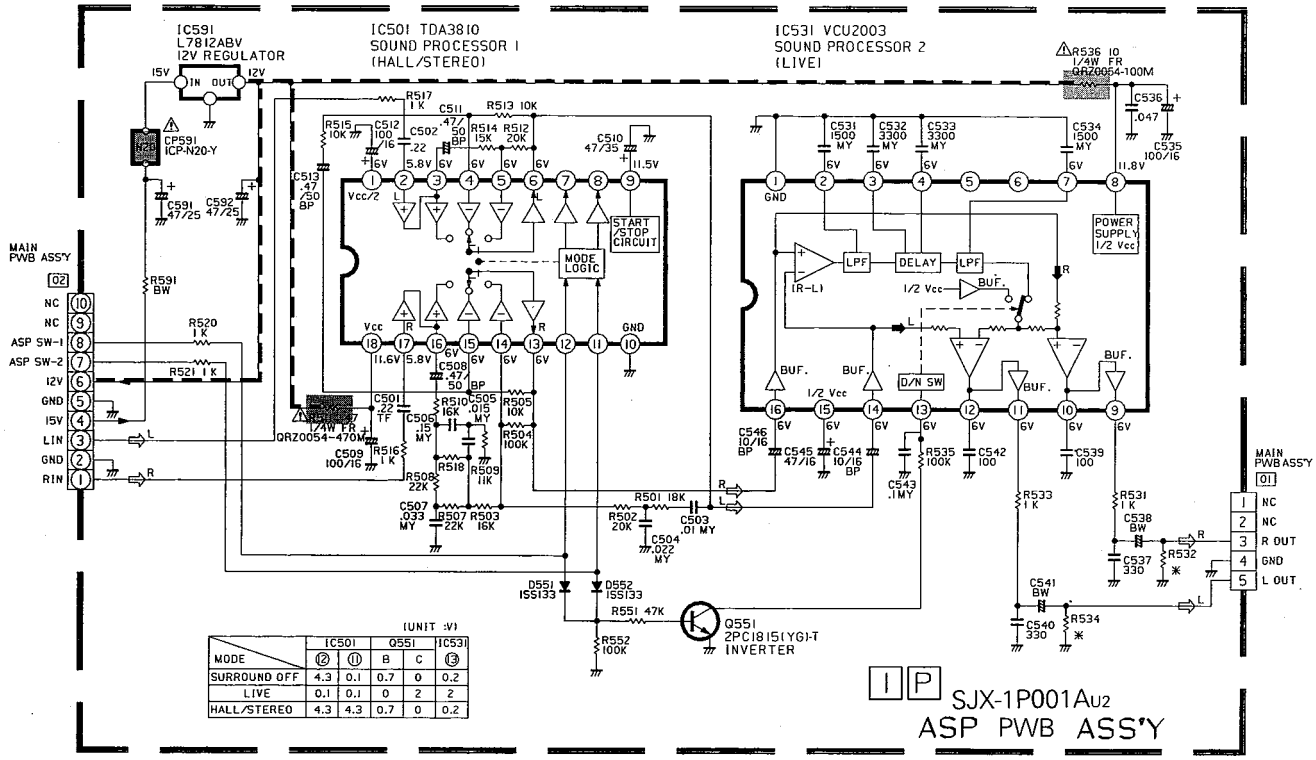


AV SELECTOR PWB CIRCUIT DIAGRAM




FER
Q105,Q106
2PC1815(YG)-T
TP-YSEL
1Vp-p
TP-CSEL
BURST 0.3Vp-p
DC3.5V
(UNIT:V)
MODE
INPUT
P05(A)
P04(B)
SV/CV
OUTPUT (0-12V)
TV 0 0 0 〈TV〉 TV/OTHERS
EXT-1 0 4.4 0 〈1〉 EXT-1/OTHERS
EXT-2 4.4 0 0(CV) 〈2C〉 EXT-2C/OTHERS
4.4(SV) 〈2S〉 EXT-2S/OTHERS
EXT-3 4.4 4.4 4.4(SV) 〈3〉 EXT-3/OTHERS
IC002
HCF4081BE
AND GATE
(DECODE PROCESS)
IC001
HCF4081BE
AND GATE
(DECODE PROCESS)
NC NC
IC152
TC4066BP
TV/EXT
SELECT
(ON/OFF)
GND
C003 .1
C004 .1
R021 22K
R181 1.2K
C172 X
TP-VSEL
TP-VTV
R193 8.2K
R162 1K
C168 100/16
Q157
2PA1015
(YG)-T
BUFFER
IC002 (4/4)
IC002 (2/4)
IC002 (3/4)
IC002 (1/4)
IC001 (1/4)
IC001 (2/4)
SV/CV
EXT-2/OTHERS
IC302
TC4066BP
EXT-2
AUDIO OUT
SWITCH
(ON/OFF)
C001 470/16
C002 .1
R006 56K
R007 15K
R008 15K
R010 15K
R012 15K
R014 15K
R016 15K
R018 15K
Q001
Q002
Q003
Q004
Q005
Q006
Q007
R009 47K
R011 47K
R013 47K
R015 47K
R017 47K
R019 47K
R020 1K
Q001~Q007
2PC1815(YG)-T
INVERTER
(UNIT:V)
IC301
R126 0
R127 0
C005 .001
SJX-1S006AU2
AV SELECTOR PWB ASSY
06
CSEL OUT
YSEL OUT
GND
+12V IN
+12V IN
OTHERS/TV
SV/CV OUT
NC
SV/CV IN
SLOW SW
NC
TV/VIDEO P04(B)
TV/VIDEO P05(A)
NC
NC
MAIN PWB ASSY

ASP PWB CIRCUIT DIAGRAM AND PWB PATTERN



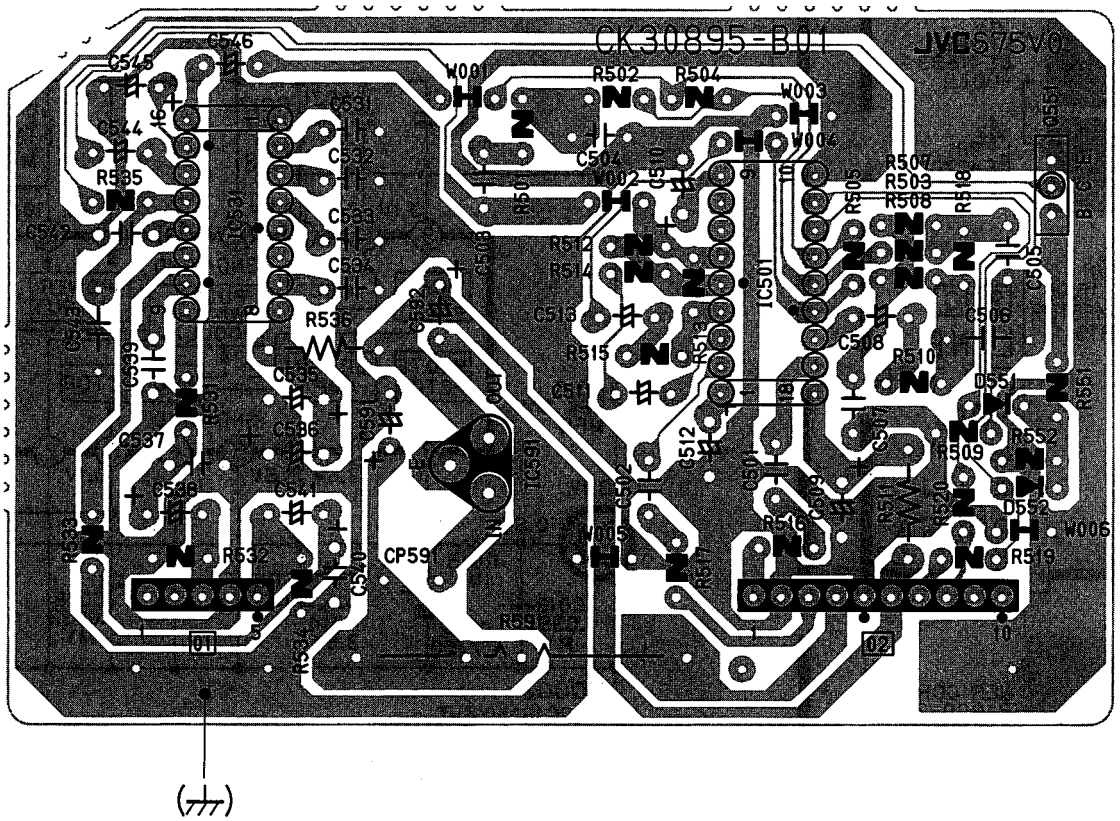
(UNIT :V)

MODE	IC501 ⑫	IC501 ⑪	Q551 B	Q551 C	IC531 ⑬
SURROUND OFF	4.3	0.1	0.7	0	0.2
LIVE	0.1	0.1	0	2	2
HALL/STEREO	4.3	4.3	0.7	0	0.2

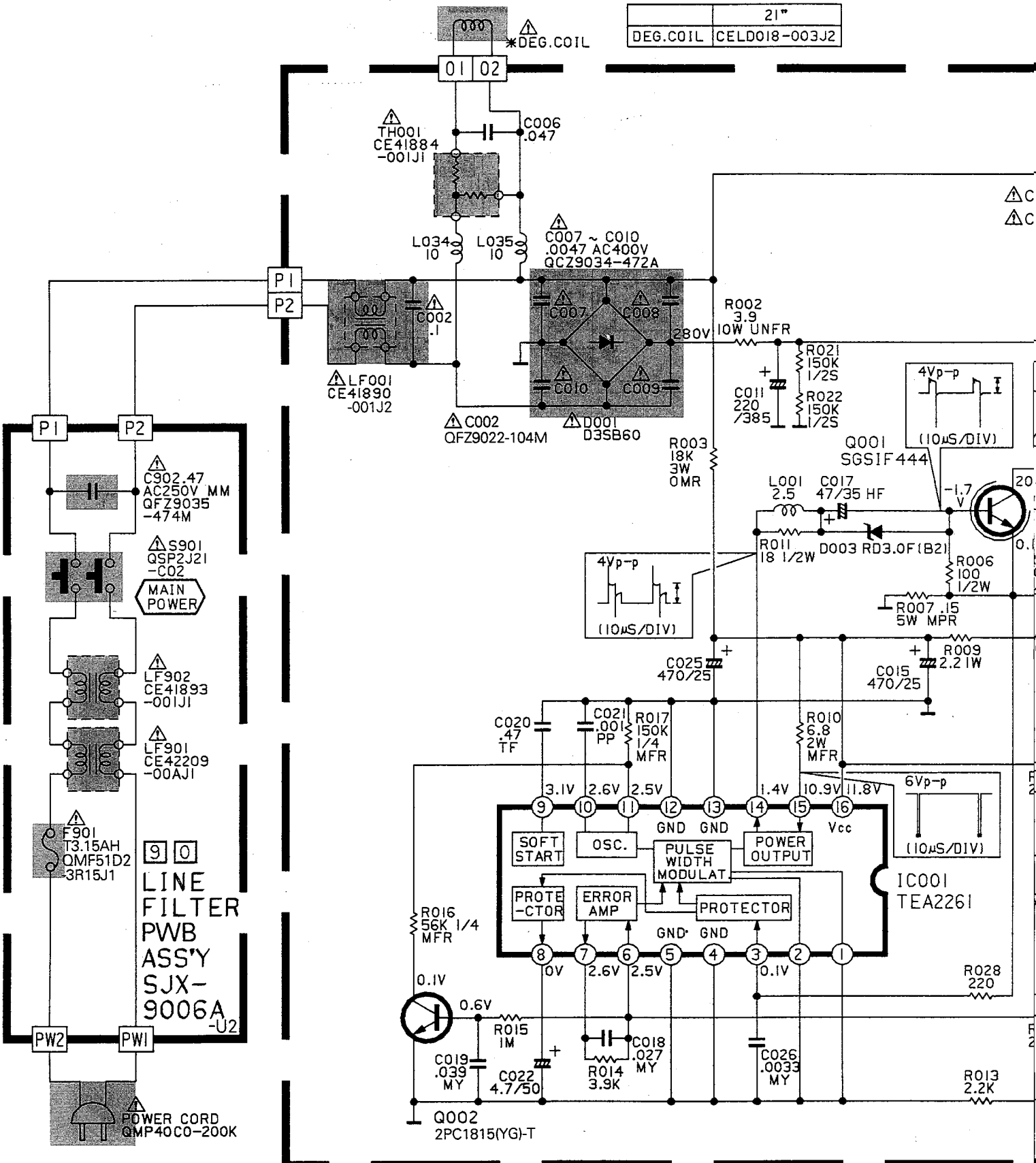
NOTE : "*"INDICATE NO PART MOUNTING

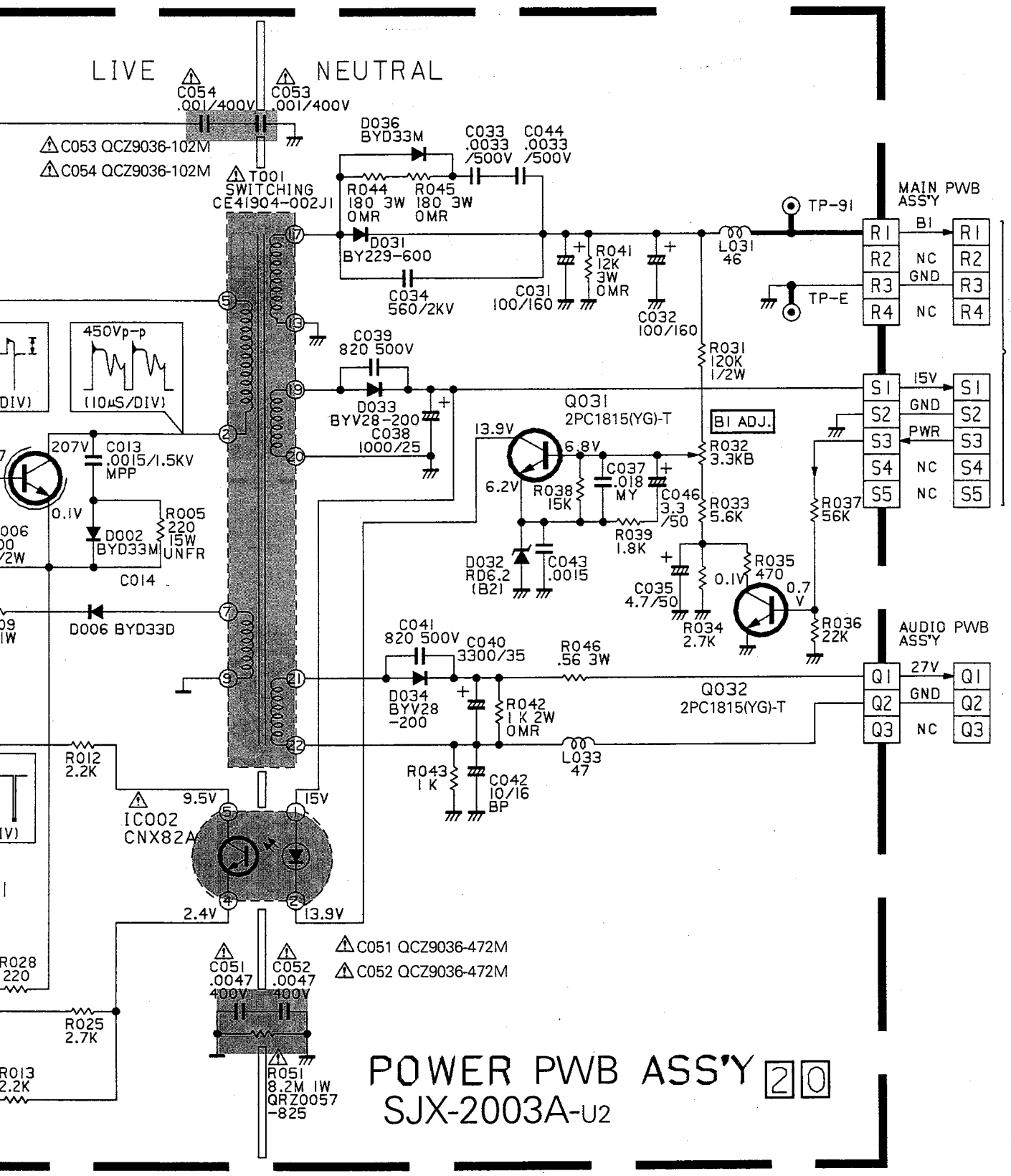
TOP

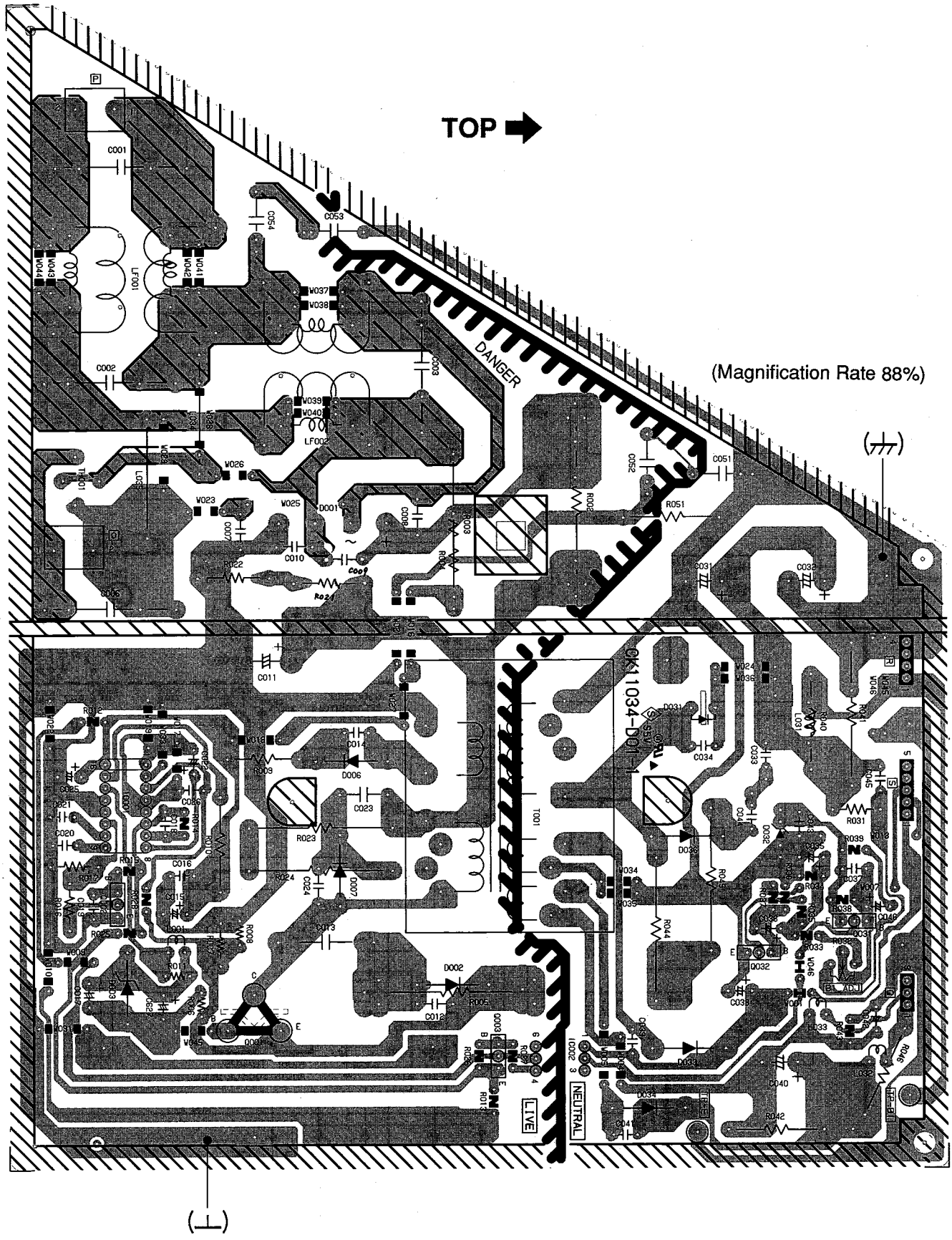
(Magnification Rate 145%)



POWER PWB CIRCUIT DIAGRAM AND PWB PATTERN

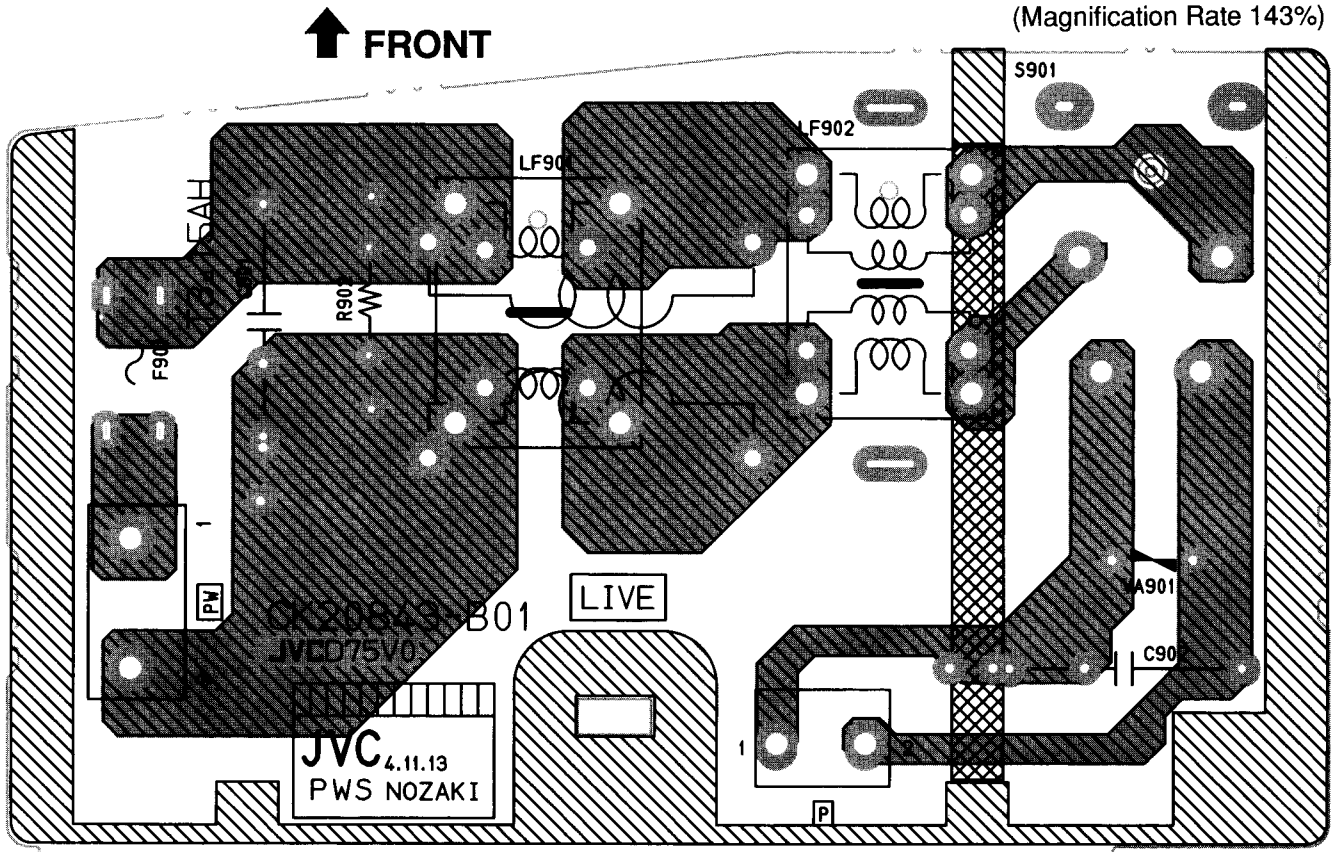



LIVE
NEUTRAL
C054 .001/400V
C053 .001/400V
C053 QCZ9036-102M
C054 QCZ9036-102M
T001 SWITCHING CE41904-002J1
D036 BYD33M
C033 .0033 /500V
C044 .0033 /500V
R044 180 3W 0MR
R045 180 3W 0MR
D031 BY229-600
C034 560/2KV
C031 100/160
R041 12K 3W 0MR
C032 100/160
L031 46
TP-91
TP-E
MAIN PWB ASS'Y
R1 BI
R2 NC
R3 GND
R4 NC
450Vp-p
(10μS/DIV)
C039 820 500V
D033 BYV28-200
C038 1000/25
R031 120K 1/2W
Q031 2PC1815(YG)-T
BI ADJ.
13.9V
6.8V
6.2V
R032 3.3KB
R038 15K
C037 .018 MY
C046 3.3 /50
R033 5.6K
R039 1.8K
D032 RD6.2 (B2)
C043 .0015
C035 4.7/50
R035 470
0.1V
0.7 V
R034 2.7K
R036 22K
R037 56K
S1 15V
S2 GND
S3 PWR
S4 NC
S5 NC
207V
C013 .0015/1.5KV MPP
0.1V
R005 220 15W UNFR
D002 BYD33M
C014
D006 BYD33D
C041 820 500V
C040 3300/35
R046 .56 3W
D034 BYV28 -200
R042 1K 2W 0MR
Q032 2PC1815(YG)-T
AUDIO PWB ASS'Y
Q1 27V
Q2 GND
Q3 NC
L033 47
R043 1K
C042 10/16 BP
R012 2.2K
IC002 CNX82A
9.5V
15V
2.4V
13.9V
C051 .0047 400V
C052 .0047 400V
C051 QCZ9036-472M
C052 QCZ9036-472M
R028 220
R025 2.7K
R013 2.2K
R051 8.2M 1W QRZ0057 -825
POWER PWB ASS'Y 20
SJX-2003A-U2

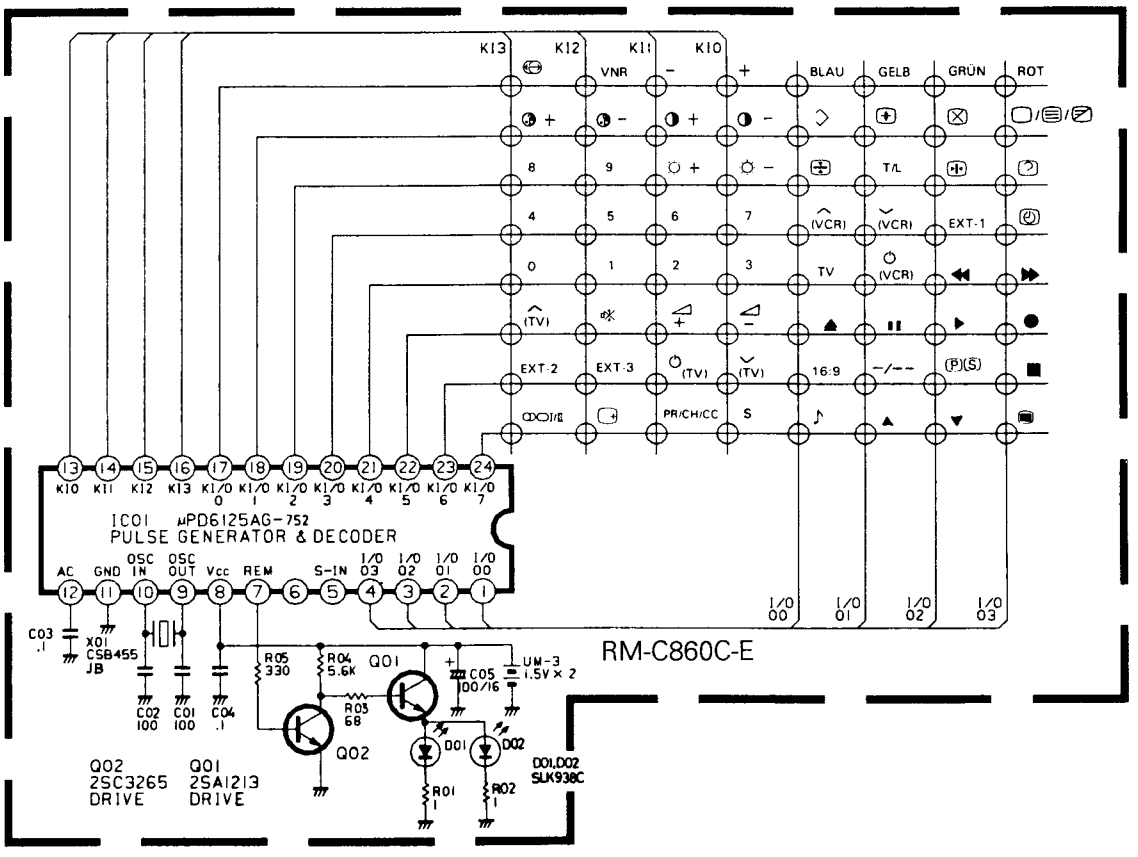

TOP
(Magnification Rate 88%)
DANGER
LIVE
NEUTRAL
0K11034-D01

LINE FILTER PWB PATTERN

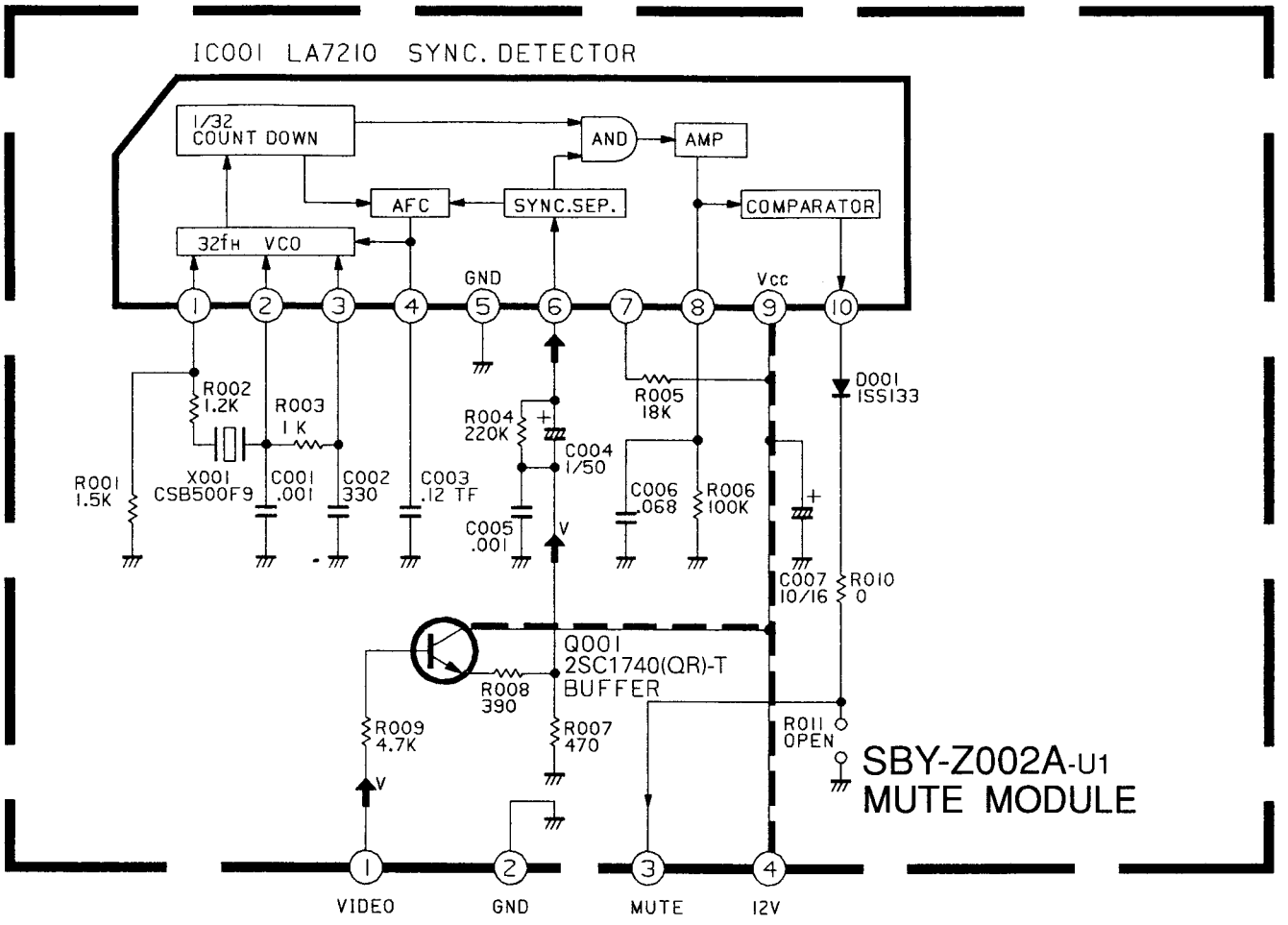
(Magnification Rate 143%)



REMOTE CONTROL CIRCUIT DIAGRAM



MUTE PWB CIRCUIT DIAGRAM



VP
TN,HK

PARTS LIST

CAUTION

- The parts marked ⚠ are very important for the safety. When replacing these parts, be sure to use specified ones to secure the safety and performance.
- The module circuit board is supplied together with the assembly, but the parts which do not have the drawing in this Parts List, P. W. Board Ass'y and the Parts No. columns of which are filled with lines —— . will not be supplied.
- As a rule, the resistors and capacitors which are indicated as shown in (NOTE 2) "HOW TO EXPRESS PARTS NUMBERS OF STANDARD PARTS" are not shown in the list of the parts on the board.
  When ordering the service parts, confirm the resistance/rated power, capacitance/rated voltage, and type of the parts, then order by the part No. indicated according to (NOTE 2).

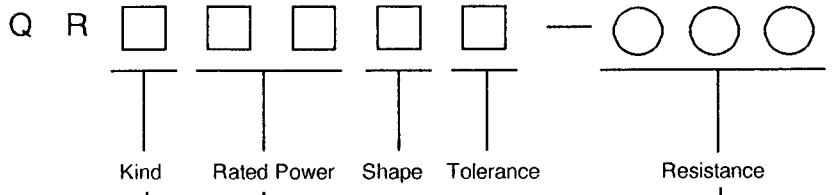
(NOTE 1) ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% - 10%	+50% - 10%	+80% - 20%	+100% - 0%

(NOTE 2) HOW TO EXPRESS PARTS NUMBERS OF STANDARD PARTS

■ RESISTOR



Symbol	Part Name
C	COMP.R
D	C R
S	CH MG R

Symbol	Rated Power
0 1	1 w
1 2	1/2 w
1 4	1/4 w
1 6	1/6 w
1 8	1/8 w

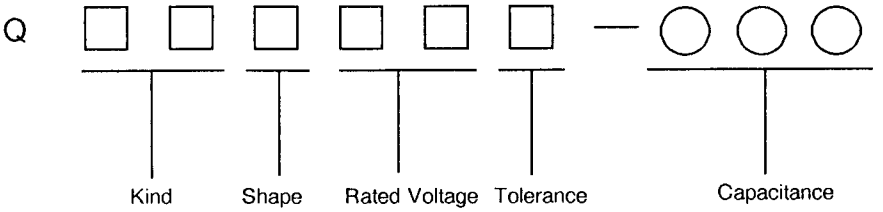
Symbol	Shape
1	Straight lead
8	Chip

Indicate with first two-figure expressed by Ω and following 0.
please note that,in case of resistance less than 10 Ω, a letter "R"will be effective as point.

EX.

2.2 Ω = 2R2
470 Ω = 47×10^{1} → 471
150kΩ = 15×10^{4} → 154

■ CAPACITOR



Symbol	Part Name
CS	C CAP.
CS	CH C CAP.
ET	E CAP.
FM	M CAP.

5Figure / 6Figure	0	1	2
A		10V	100V
C		16V	160V
D			200V
E		25V	250V
H		50V	500V
J	6.3V	63V	
V		35V	

Indicate with first two-figure expressed by pF and following 0.
Please note that,in case of capacitance less than 10 pF a letter "R" will be effective as point.

EX

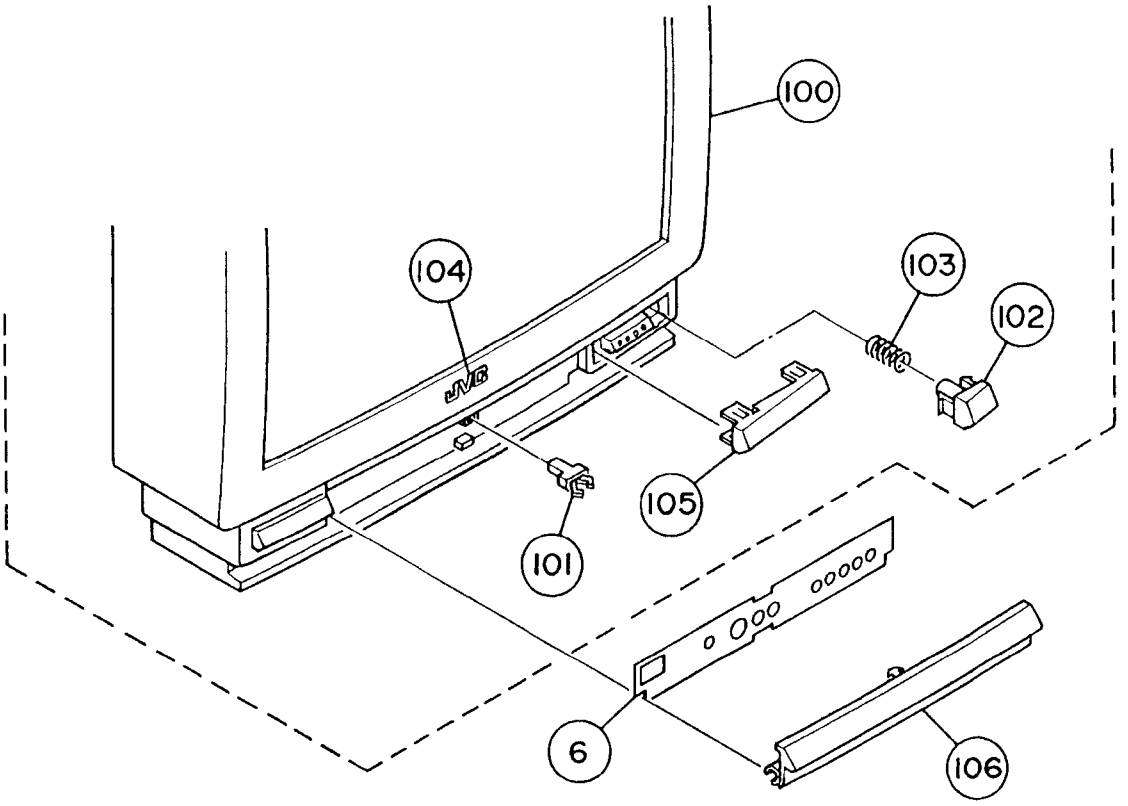
5pF = 5R0
1000pF = 10×10^{2} → 102
47μF = 47×10^{6} → 476

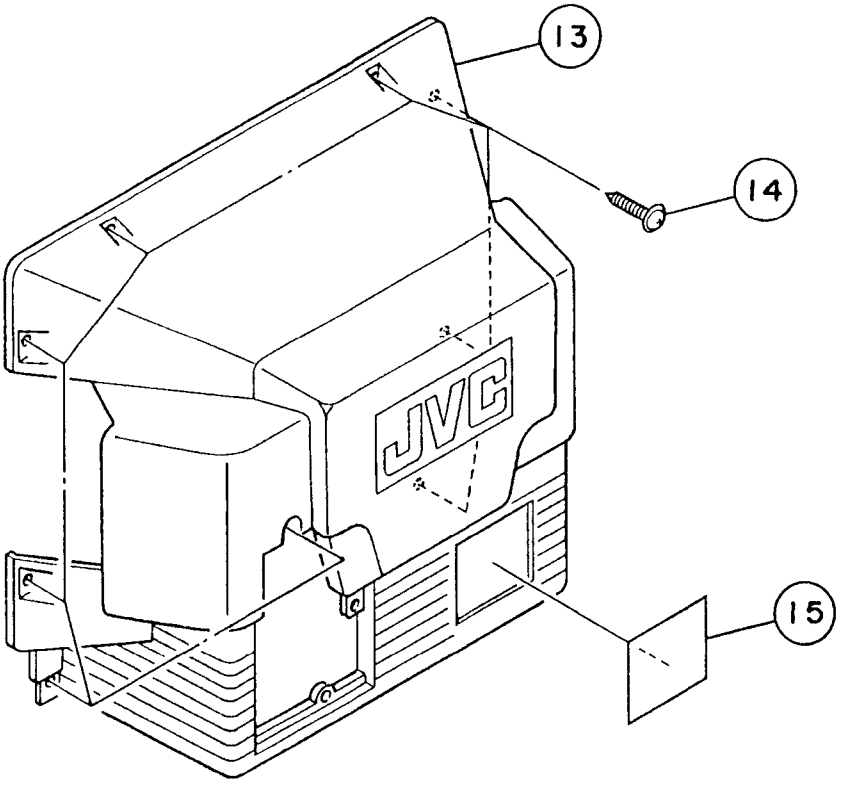
Symbol	Shape
1	Straight lead
1	Leads in the same direction
8	Chip
A	Leads in the same direction (compact part)

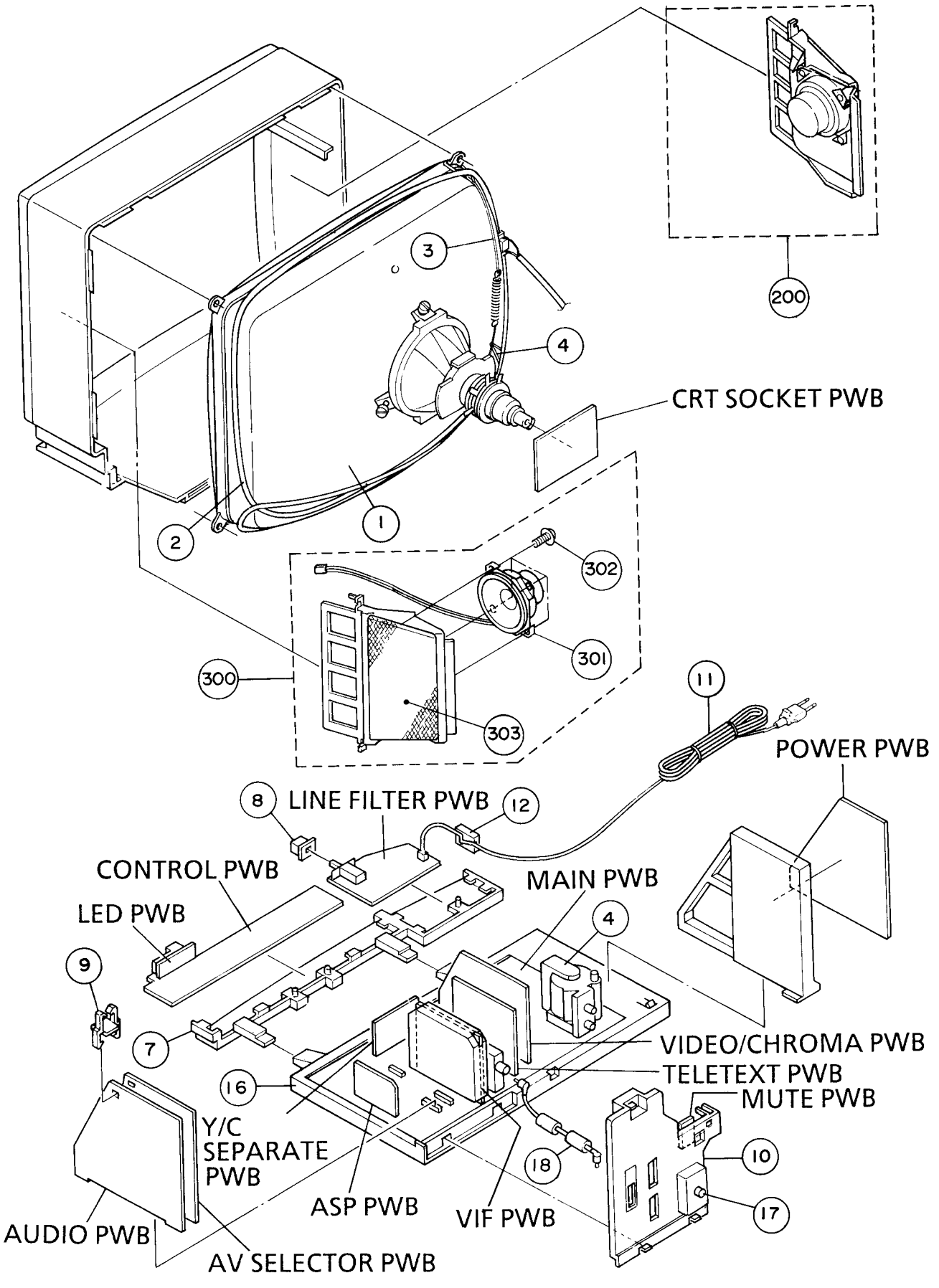
EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	A51ECQ10X01	PICTURE TUBE	Inc.DY,Magne,Wedge	*
⚠	2	CELD018-003J2	DEGAUSSING COIL	L01	*
	3	CHGB0012-0A-CE	BRAIDED ASSY		*
⚠	4	CE41903-00AJ1	L.O.TRANSF.		*
	6	CM35793-001-E	CONTROL SHEET		*
	7	CM12429-A01-E	CONTROL BASE		*
	8	CM46617-001-E	POWER KNOB		*
	9	CM46710-001-E	PB SPACER		*
	10	CM11762-A04-E	AV TERMINAL BASE		*
⚠	11	QMP40C0-200K	POWER CORD		
	12	CM46618-A01-E	CORD CLAMP		*
	13	CM11771-D01-ME	REAR COVER		*
	14	GBSA4020N	TAPPING SCREW	×9	
	15	AEM2007-007-E	RATING LABEL		*
	16	CM11752-D01-VE	CHASSIS BASE		*
	17	CE42112-001	PALJ CONNECTOR		
	18	CHGY0011-AA-YS	CONNECTOR ASSY		*
	100	CM12424-B0B-E	FRONT CABI ASSY	Include No.101～106	*
	101	CM45436-00A	DOOR LATCH		*
	102	CM35753-B01-E	SUB PW KNOB		*
	103	CM30861-051	SPRING		*
	104	CM43094-002-E	JVC MARK		*
	105	CM35754-001	REMOCON WINDOW		*
	106	CM22650-A01-E	DOOR		*
	200	21H1SP-L-SA	SP GRILL SA(L)	Include No.301～303	*
	300	21H1SP-R-SA	SP GRILL SA(R)	Include No.301～303	*
	301	EAS-10P539K-G	CONE SPEAKER	×2	*
	302	GBSB4012Z	TAPPING SCREW	×8	
	303	CM22035-001	PUNCHING METAL	×2	

EXPLODED VIEW






200
3
4
CRT SOCKET PWB
2
1
302
301
300
303
11
POWER PWB
8
LINE FILTER PWB
12
CONTROL PWB
MAIN PWB
LED PWB
4
9
7
VIDEO/CHROMA PWB
TELETEXT PWB
16
MUTE PWB
Y/C
SEPARATE
PWB
18
10
ASP PWB
VIF PWB
17
AUDIO PWB
AV SELECTOR PWB

PRINTED WIRING BOARD PARTS LIST

MAIN PW BOARD ASS'Y (SJX-1320A-U2)

⚠ Symbol No.	Part No.	Part Name	Description			Local
VARIABLE RESISTOR						
R1012	QVPA603-223AZ	V R(NOISE)	22kΩ	B		
R1373	QVPA603-103AZ	V R(SUB BRIGHT)	10kΩ	B		
R1387	QVPA601-473A	V R(SUB CONTRAST	)47kΩ	B		
RESISTOR						
R1003	QRG029J-332A	OM R	3.3kΩ	2W	J	
R1503	QRD123J-121SX	C R	120 Ω	1/2W	J	*
R1504	QRG029J-121	OM R	120 Ω	2W	J	
R1505	QRD123J-220SX	C R	22 Ω	1/2W	J	*
R1506	QRG029J-103	OM R	10kΩ	2W	J	
R1507	QRG029J-102	OM R	1kΩ	2W	J	
R1509	QRG019J-821S	OM R	820 Ω	1W	J	
R1534	QRG029J-181A	OM R	180 Ω	2W	J	
R1544	QRG019J-271S	OM R	270 Ω	1W	J	
R1545-46	QRX019J-2R7S	MF R	2.7 Ω	1W	J	
R1547	QRG019J-182S	OM R	1.8kΩ	1W	J	
R1548	QRD123J-821SX	C R	820 Ω	1/2W	J	*
R1549	QRD123J-122SX	C R	1.2kΩ	1/2W	J	*
R1555	QRD123J-821SX	C R	820 Ω	1/2W	J	*
R1760	QRB049J-103	NET R	10KΩ	1/10W	J	
R1903	QRG019J-681S	OM R	680 Ω	1W	J	
CAPACITOR						
C1009	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1013	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1307	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1354-55	QFV71HJ-274MZ	TF CAP.	0.27μF	50V	J	*
C1356	QEHC1CM-108MZ	E CAP.	1000μF	16V	M	*
C1357	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C1358	QFV71HJ-274MZ	TF CAP.	0.27μF	50V	J	*
C1359-61	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C1362	QFV71HJ-334MZ	TF CAP.	0.33μF	50V	J	*
C1365-66	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C1369-71	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C1503	QEM61HK-105MZ	E CAP.	1μF	50V	K	*
C1505	QFZ0117-1001S	MPP CAP.	1000μF	2000V	±2.5%	
⚠ C1506	QFZ0117-7801S	MPP CAP.	7800μF	2000V	±2.5%	
⚠ C1507	QFM72DK-104M	M CAP.	0.1μF	200V	K	
⚠ C1509	QFZ0118-434S	MPP CAP.	0.43μF	25V	Z	
C1512	QFZ0120-564S	MPP CAP.	0.56μF	200V	±3%	
C1513	QEH52CM-107M	E CAP.	100μF	160V	M	
C1517	QCZ0130-471A	C CAP.	470pF	2000V	K	
C1523	QEHB1VM-108M	E CAP.	1000μF	35V	M	
C1524	QEHB1EM-108M	E CAP.	1000μF	25V	M	
C1527	QEHC1CM-477MZ	E CAP.	470μF	16V	M	*
C1528	QEHC1AM-477MZ	E CAP.	470μF	10V	M	*
C1532	QFV71HJ-334MZ	TF CAP.	0.33μF	50V	J	*
C1535-36	QCZ0128-102A	C CAP.	1000pF	500V	K	
C1543	QEHB1VM-108M	E CAP.	1000μF	35V	M	
C1544	QEHC1VM-107MZ	E CAP.	100μF	35V	M	*
C1702	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1704	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1708	QFZ0083-683MZ	M CAP.	0.068μF	50V	K	*
C1751	QCT25CH-120Z	C CAP.	12pF	50V	J	
C1752	QCT25CH-330Z	C CAP.	33pF	50V	J	*
C1760	QEB61HM-104MZ	E CAP.	0.1μF	50V	M	*
C1762	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1764	QFZ0083-563MZ	M CAP.	0.056μF	50V	K	*
C1768	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1901	QCZ0118-104M	C CAP.	0.1μF	25V	Z	
C1903	QCZ0118-104M	C CAP.	0.1μF	25V	Z	

⚠	Symbol No.	Part No.	Part Name	Description	Local
	TRANSFORMER				
	T1501	CE40895-00A	H DRIVE TRANSF.		
⚠	T1502	CE41903-00AJ1	L O TRANSF		*
	COIL				
	L1001	CELP026-8R2ZJ2	PEAKING COIL	8.2 μH	*
	L1002	CELP026-5R6ZJ2	PEAKING COIL	5.6 μH	*
	L1003-04	CELP026-8R2ZJ2	PEAKING COIL	8.2 μH	*
	L1503	CE40954-00A	LINEARITY COIL		*
	L1504	CJ30030-050	HEATER CHOKE		
	L1521	CJ30030-046	HEATER CHOKE		
	L1522	CELP002-272Z	PEAKING COIL	2700 μH	*
	L1701	CELP026-4R7ZJ2	PEAKING COIL	4.7 μH	*
	L1760	CELP026-120ZJ2	PEAKING COIL	12 μH	*
	DIODE				
	D1001	MA4330(M)-T2	ZENER DIODE		*
	D1002	MA700-T2	SI.DIODE		
	D1351-53	RD12ES(B)-T2	ZENER DIODE		
	D1501	BAV21-T2	SI.DIODE		*
	D1502	BY228-20	SI.DIODE		*
	D1503	BYW95B-20	SI.DIODE		*
	D1505	BYD33G-T3	SI.DIODE		*
	D1521	BYD33G-T3	SI.DIODE		*
	D1523	BYW95B-20	SI DIODE		*
	D1524-25	BYW95B-20	SI.DIODE		*
	D1526-27	BYD33D-T3	SI.DIODE		*
	D1541	1N4002ID-T3	SI.DIODE		*
	D1547	MA4120(M)-T2	ZENER DIODE		*
	D1702-03	1SS133-T2	SI.DIODE		*
	D1705-06	1SS133-T2	SI.DIODE		*
	D1707	1SS133-T2	SI.DIODE		
	D1709-11	1SS133-T2	SI.DIODE		*
	D1713-15	1SS133-T2	SI.DIODE		*
	D1716	1SS133-T2	SI.DIODE		
	D1752-53	1SS133-T2	SI.DIODE		*
	D1755-56	1SS133-T2	SI.DIODE		*
	D1759	1SS133-T2	SI.DIODE		*
	D1761	1SS133-T2	SI.DIODE		*
	D1766-67	1SS133-T2	SI.DIODE		*
	D1768-69	BAV21-T2	SI DIODE		*
	D1770	1SS133-T2	SI.DIODE		*
	D1771-72	MA700-T2	SI.DIODE		*
	D1773-74	1SS133-T2	SI.DIODE		*
	D1802-03	1SS133-T2	SI.DIODE		*
	D1805	1SS133-T2	SI.DIODE		*
	D1831-34	1SS133-T2	SI.DIODE		*
	D1901	BAV21-T2	SI.DIODE		
	TRANSISTOR				
	Q1001	2SC1360-C1	SI.TRANSISTOR		
	Q1301-06	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1307-10	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q1311-16	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1331	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1351-52	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q1353-54	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1501	2SC3669(OY)-T	SI.TRANSISTOR		*
⚠	Q1502	BU508AFI	SI.TRANSISTOR		*
	Q1541	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1701-02	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q1703-04	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1705	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q1706	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1707-08	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q1711-14	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q1715-16	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1717	2PC1815(YG)-T	SI.TRANSISTOR		
	Q1801	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1861	2PC1815(YG)-T	SI.TRANSISTOR		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	TRANSISTOR				
	Q1901	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q1902	2SA966(OY)-T	SI.TRANSISTOR		*
	IC				
	IC1301-02	AN5862K	I.C.		
	IC1351	TDA4580	I.C.		*
⚠	IC1521	L7812ABV	I.C.		*
⚠	IC1522	L7805ABV	I.C.		*
	IC1541	TDA3653C	I.C.		*
	IC1701	M37102M8-A49SP	I.C.		
	IC1702	M6M80041P	I.C.		
	IC1703	MN1280-Q	I.C.		
	IC1704	TC4049BP	I.C(DIGI-MOS)		*
	IC1705	MC78L05ACP	I.C.		*
	IC1901	L7812ABV	I.C.		*
	OTHERS				
		————	VIF PWB ASSY	(SJX-1F001AU2)	
		————	Y/C SEPA PWB ASSY	(SJX-1Y101AU2)	
⚠	CP1901	ICP-N20-Y	I.C.PROTECT		*
⚠	R1521	QRH017J-470M	F R	47 Ω 1W J	
⚠	R1523	QRH027J-1R8M	F R	1.8 Ω 2W J	
⚠	R1524	QRH027J-1R8M	F R	1.8 Ω 2W J	
⚠	R1525	QRH027J-1R8M	F R	1.8 Ω 2W J	
⚠	R1526	QRZ0054-470M	F R	47 Ω 1/4W J	
⚠	R1527	QRH017J-6R8M	F R	6.8 Ω 1W J	
⚠	R1532	QRH127J-1R8M	F R	1.8 Ω 1/2W J	
	S1541	QSL4A13-C02	LEVER SWITCH	V.CENTER SW	
	TU1001	CEEK451-A03-U	TUNER		*
	X1751	CE41887-001	CRYSTAL		

POWER PW BOARD ASS'Y (SJX-2003A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
		VARIABLE RESISTOR			
	R2032	QVPA603-332AZ	V R(B1 ADJ.)	3.3kΩ B	*
		RESISTOR			
	R2002	QRF104K-3R9	UNF R	3.9 Ω 10W K	
	R2003	QRG039J-183	OM R	18kΩ 3W J	
	R2005	QRF154J-221	UNF R	220 Ω 15W J	
	R2006	QRD123J-101SX	C R	100 Ω 1/2W J	*
	R2007	QRM055K-R15	MP R	0.15 Ω 5W K	
	R2009	QRX019J-2R2S	MF R	2.2 Ω 1W J	
	R2010	QRX029J-6R8	MF R	6.8 Ω 2W J	
	R2011	QRD123J-180SX	C R	18 Ω 1/2W J	*
	R2016	QRV141F-5602Y	MF R	56kΩ 1/4W F	*
	R2017	QRV141F-1503Y	MF R	150kΩ 1/4W F	*
	R2041	QRG039J-123	OM R	12kΩ 3W J	
	R2042	QRG029J-102	OM R	1kΩ 2W J	
	R2044-45	QRG039J-181	OM R	180 Ω 3W J	
	R2046	QRX039J-R56A	MF R	0.56 Ω 3W J	
⚠	R2051	QRZ0057-825	C R	8.2MΩ 1W J	*
		CAPACITOR			
⚠	C2002	QFZ9022-104M	MF CAP.	0.1μF AC250V M	*
	C2006	QFZ9022-473M	MF CAP.	0.047μF AC250V M	
⚠	C2007	QCZ9034-472A	C CAP.	4700p F AC400V P	
⚠	C2008	QCZ9034-472A	C CAP.	4700p F AC400V P	
⚠	C2009	QCZ9034-472A	C CAP.	4700p F AC400V P	
⚠	C2010	QCZ9034-472A	C CAP.	4700p F AC400V P	
	C2011	QEZ0167-227M	E CAP.	220μF 1600V ±3%	*
	C2013	QFZ0081-1501S	MPP CAP.	15p F 1600V ±3%	
	C2015	QEHC1EM-477MZ	E CAP.	470μF 25V M	*
	C2017	QEM51VM-476M	E CAP.	47μF 35V M	
	C2020	QFV71HJ-474MZ	TF CAP.	0.47μF 50V J	*
	C2021	QFP31HG-102S	PP CAP.	1000p F 50V G	
	C2031-32	QEH52CM-107M	E CAP.	100μF 160V M	
	C2033	QCZ0128-332A	C CAP.	3300p F 500V K	
	C2034	QCZ0122-561A	C CAP.	560p F 2kV K	
	C2038	QEHB1EM-108M	E CAP.	1000μF 25V M	
	C2040	QEHB1VM-338M	E CAP.	3300μF 35V M	
	C2042	QEN61CM-106Z	BP E CAP.	10μF 16V M	*
	C2044	QCZ0128-332A	C CAP.	3300p F 500V K	
⚠	C2051	QCZ9036-472M	C CAP.	4700p F AC400V M	
⚠	C2052	QCZ9036-472M	C CAP.	4700p F AC400V M	*
⚠	C2053	QCZ9036-102M	C CAP.	1000p F AC400V K	
⚠	C2054	QCZ9036-102M	C CAP.	1000p F AC400V K	*
		TRANSFORMER			
⚠	T2001	CE41904-002J1	S M TARNSF		*
		COIL			
	L2001	CELC005-2R5	CHOKE COIL	2.5μH	
	L2031	CJ30030-046	HEATER CHOKE		
	L2033	CELC002-470	CHOKE COIL	47μH	
	L2034-35	CELC026-100	CHOKE COIL	10μH	
		DIODE			
⚠	D2001	D3SB60	BRIDGE DIODE		
	D2002	BYD33M-T3	SI DIODE		*
	D2003	RD3.0F(B2)-T3	ZENER DIODE		*
	D2006	BYD33D-T3	SI DIODE		*
	D2031	BY229-600	SI DIODE		*
	D2032	RD6.2E(B2)-T2	ZENER DIODE		*
	D2033	BYV28-200-20	SI.DIODE		
	D2034	BYV28-200-20	SI.DIODE		*
	D2036	BYD33M-T3	SI.DIODE		*
		TRANSISTOR			
	Q2001	SGSIF444	POWER TRANSISTOR		*
	Q2002	2PC1815(YG)-T	SI.TRANSISTOR		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	TRANSISTOR				
	Q2031-32	2PC1815(YG)-T	SI.TRANSISTOR		*
	I C				
	IC2001	TEA2261	I.C.		*
⚠	IC2002	CNX82A	I.C.		*
	OTHERS				
⚠	LF2001	CE41890-001J2	LINE FILTER		*
⚠	TH2001	CE41884-001J1	W-PTC		*

CRT SOCKET PW BOARD ASS'Y (SJX-3004A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	VARIABLE RESISTOR				
	R3103	QVPC802-102H	V R(G.DRIVE)	1kΩ B	
	R3106	QVPC802-102H	V R(R.DRIVE)	1kΩ B	
	RESISTOR				
	R3109-11	QRG019J-563S	OM R	56kΩ 1W J	
	CAPACITOR				
	C3106	QFH53BK-223M	MM CAP.	0.022μF 1250V K	
	C3107	QFH52EJ-104M	MM CAP.	0.1μF 250V J	
	DIODE				
	D3101-04	1SS252-T2	SI.DIODE		*
	D3106-08	1SS252-T2	SI.DIODE		*
	D3110	RD6.2ES(B3)-T2	ZENER DIODE		*
	TRANSISTOR				
	Q3102	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q3104-05	2PC1815(YG)-T	SI.TRANSISTOR		*
	I C				
	IC3101	TEA5101A/D	I.C(MONO-ANA)		
	OTHERS				
⚠		CE41603-001	C.R.T.SOCKET		

CONTROL PW BOARD ASS'Y (SJX-8006A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C8005-06	QCZ0118-104M	C CAP.	0.1μF 25V Z	
	COIL				
	L8001-07	CELP017-5R6Y	PEAKING COIL	5.6μH	
	DIODE				
	D8002-05	1SS133-T2	SI.DIODE		*
	D8007-08	1SS133-T2	SI.DIODE		*
	D8011-18	RD13JS(B)-T2	ZENER DIODE		*
	TRANSISTOR				
	Q8001-02	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q8003-04	DTA144ES-T	DIGI.TRANSISTOR		*
	Q8005	DTC144ES-T	DIGI TRANSISTOR		*
	IC				
	IC8001	TC4049BP	I.C.		
	OTHERS				
	J8001	AX49607-004	HEADPHONE JACK		
	J8002	QMD2B04-001	MINI CONNECTOR		
	J8003	CEMN011-002	JACK		
	J8004	CEMN011-003	JACK		
	S8002	QSP4H11-C06	PUSH SWITCH	Function	
	S8003	QSP4H11-C06	PUSH SWITCH	CH-	
	S8004	QSP4H11-C06	PUSH SWITCH	CH+	
	S8005	QSP4H11-C06	PUSH SWITCH	VOL-	
	S8006	QSP4H11-C06	PUSH SWITCH	VOL+	
	S8007	CESP004-001J1	PUSH SWITCH	Sub Power	*

LINE FILTER PW BOARD ASS'Y (SJX-9006A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
⚠	C9902	QFZ9035-474M	MM CAP.	0.47μFAC250V M	
	OTHERS				
		A44594-002	FUSE CLIP		
⚠	F9901	QMF51D2-3R15J1	FUSE	T3.15AH	*
⚠	LF9901	CE42209-00AJ1	LINE FILTER		*
⚠	LF9902	CE41893-001J1	LINE FILTER		*
⚠	S9901	QSP2J21-C02	PUSH SWITCH	Main Power	

AUDIO PW BOARD ASS'Y (SJX-1A003AU2)

⚠ Symbol No.	Part No.	Part Name	Description			Local
VARIABLE RESISTOR						
R309	QVPC611-201HZ	V R(117Hz BPF)	200 Ω B			
R313	QVPC611-201HZ	V R(274Hz BPF)	200 Ω B			
R321	QVPA601-223A	V R(SEPARATION)	22kΩ B			
RESISTOR						
R813	QRX039J-R56A	MF R				
CAPACITOR						
C305	QFZ0103-823MZ	M CAP.	0.082μF	50V	J	*
C307	QFZ0103-823MZ	M CAP.	0.082μF	50V	J	*
C316-17	QEN61HM-475Z	BP E CAP.	4.7μF	50V	M	*
C321	QFP31HJ-562SZ	PP CAP.	5600pF	50V	J	*
C753	QFV71HJ-224MZ	TF CAP.	0.22μF	50V	J	*
C754	QEN61HM-105Z	BP E CAP.	1μF	50V	M	*
C755	QFV71HJ-563MZ	TF CAP.	0.056μF	50V	J	*
C765	QFV71HJ-563MZ	TF CAP.	0.056μF	50V	J	*
C768	QEN61HM-105Z	BP E CAP.	1μF	50V	M	*
C801	QEN61CM-106Z	BP E CAP.	10μF	16V	M	*
C803	QEN61CM-106Z	BP E CAP.	10μF	16V	M	*
C807	QFV71HJ-124MZ	TF CAP.	0.12μF	50V	J	*
C808	QEZ0178-338M	E CAP.	3300μF			
C809	QFV71HJ-124MZ	TF CAP.	0.12μF	50V	J	*
C818	QEZ0178-338M	E CAP.				
C850-51	QEN61HM-105Z	BP E CAP.	1μF	50V	M	*
TRANSFORMER						
T100	CELT039-301	C.WAVE TRANSF.				
T102	CELT040-201	S.I.F.TRANSF.				
T107	CELT040-701	S.I.F.TRANSF.				
T303	CELT026-003	TRANSFORMER				
COIL						
L101	CELP026-100ZJ2	PEAKING COIL	10μH			*
L102	CELP026-1R5ZJ2	PEAKING COIL	1.5μH			*
L151	CELP026-100ZJ2	PEAKING COIL	10μH			*
L161	CELP026-100ZJ2	PEAKING COIL	10μH			*
L803-04	CELC026-100	CHOKE COIL	10μH			
L805	CE41832-001	LEAD CORE				
L806-09	CELC026-100	CHOKE COIL	10μH			
DIODE						
D301	1SS133-T2	SI.DIODE				*
D302	RD3.3ES(B2)-T2	ZENER DIODE				*
D303-10	1SS133-T2	SI.DIODE				*
D751	1SS133-T2	SI.DIODE				*
D753-55	1SS133-T2	SI.DIODE				*
TRANSISTOR						
Q101	2SC1360-C1	SI.TRANSISTOR				
Q105	2PA1015(YG)-T	SI.TRANSISTOR				*
Q301	2PC1815(YG)-T	SI.TRANSISTOR				*
Q302-03	2SC2878(B)-T	SI.TRANSISTOR				*
Q304	2PA1015(YG)-T	SI.TRANSISTOR				*
Q752	2PA1015(YG)-T	SI TRANSISTOR				*
Q753	2PC1815(YG)-T	SI TRANSISTOR				*
Q754	2PA1015(YG)-T	SI TRANSISTOR				*
Q801	2PC1815(YG)-T	SI TRANSISTOR				*
Q802-04	DTC124ES-T	DIGI.TRANSISTOR				
Q891	2PA1015(YG)-T	SI TRANSISTOR				*
Q894-95	2SC2878(B)-T	SI.TRANSISTOR				
IC						
IC101	TDA4445A	I.C.(MONO-ANA)				*
IC102	U2829B	I.C.				
IC301	TDA3803A	I.C.(MONO-ANA)				*
IC751	TDA1526	I.C.				*
IC801	TA8216H	I.C.				
IC851	M5218AP	I.C(M)				

⚠ Symbol No.	Part No.	Part Name	Description	Local
OTHERS				
CF101-02	A75088-C	CERAMIC FILTER		
CF107-08	SFE5.74MC2	CERAMIC TRAP		
J801	CEMT012-001	PUSH TERMINAL		
⚠ R862	QRZ0054-100M	F R	10 Ω 1/4W J	
SF101	CE41031-403	SAW FILTER		
SW801	QSS4C22-C04	SLIDE SWITCH	Speaker Select SW	

VIF PW BOARD ASS'Y (SJX-1F001AU2)

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C0110	QCT25CH-820Z	C CAP.	82 p F 50V J	*
C0111	QCT25CH-101Z	C CAP.	100 p F 50V J	*
C0112-13	QCT25CH-181Z	C CAP.	180 p F 50V J	*
C0116	QCT25CH-4R0Z	C CAP.	4 p F 50V J	*
C0117	QCT25CH-5R0Z	C CAP.	5 p F 50V J	*
C0120	QFV71HJ-104MZ	TF CAP.	0.1 μ F 50V J	*
C0121	QFLC1HJ-123MZ	M CAP.	0.012 μ F 50V J	*
C0123	QFLC1HK-473MZ	M CAP.	0.047 μ F 50V K	*
C0125	QEE61VK-474BZ	TAN.CAP.	0.47 μ F 35V K	*
C0128	QFLC1HK-683MZ	M CAP.	0.068 μ F 50V K	*
TRANSFORMER				
T0101	CE40117-308J1	1ST PIF TRANSF.		*
T0102	CELT001-301J1	C.W.TRANSFORMER		*
T0104	CE41597-401	TRAP COIL	400 μ H	
T0105	CELT022-001	FTZ TRAP TRANSF.		
COIL				
L0101	CELP041-R56	PEAKING COIL	0.56 μ H	
L0104	CELP037-1R5	PEAKING COIL	1.5 μ H	
L0105	CELP026-120Z	PEAKING COIL	12 μ H	*
L0106	CELP026-220Z	PEAKING COIL	22 μ H	*
DIODE				
D0101	MA4056(H)-T2	ZENER DIODE		*
TRANSISTOR				
Q0101-04	2SC4502-T	SI.TRANSISTOR		
Q0105	2PC1815(YG)-T	SI.TRANSISTOR		*
Q0106	2PA1015(YG)-T	SI.TRANSISTOR		*
Q0107	2SC1959(Y)-T	SI.TRANSISTOR		
Q0109	2PA1015(YG)-T	SI.TRANSISTOR		*
IC				
IC101	TDA3842	I.C.(MONO-ANA)		*
OTHERS				
CF101	TPS5.5MW	CERAMIC FILTER		
SF101	CE40050-406	SAW FILTER		

ASP PW BOARD ASS'Y (SJX-1P001AU2)

⚠ Symbol No.	Part No.	Part Name	Description			Local
CAPACITOR						
C501-02	QFV71HJ-224MZ	TF CAP.	0.22 µF	50V	J	*
C508	QEN61HM-474Z	BP E CAP.	0.47 µF	50V	M	*
C511	QEN61HM-474Z	BP E CAP.	0.47 µF	50V	M	*
C513	QEN61HM-474Z	BP E CAP.	0.47 µF	50V	M	*
C544	QEN61CM-106Z	BP E CAP.	10 µF	16V	M	*
C546	QEN61CM-106Z	BP E CAP.	10 µF	16V	M	*
C591-92	QEHC1EM-476MZ	E CAP.	47 µF	25V	M	*
DIODE						
D551-52	1SS133-T2	SI.DIODE				*
TRANSISTOR						
Q551	2PC1815(YG)-T	SI TRANSISTOR				*
IC						
IC501	TDA3810	I.C.				*
IC531	VUC2003	I.C.				
IC591	L7812ABV	I.C.				*
OTHERS						
⚠ CP591	ICP-N20-Y	I.C.PROTECTOR				*
⚠ R511	QRZ0054-470M	F R	47 Ω	1/4W	J	*
⚠ R536	QRZ0054-100M	F R	10 Ω	1/4W	J	*

Y/C SEPARATE PW BOARD ASS'Y (SJX-1Y101AU2)

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C203	QAT3661-200M	TRIM CAP.	20 µF	
COIL				
L201	CELP026-390Z	PEAKING COIL	39 µH	*
L202	CELP026-180Z	PEAKING COIL	18 µH	*
L301	CELP026-120Z	PEAKING COIL	12 µH	*
L302	CELP026-5R6Z	PEAKING COIL	5.6 µH	*
TRANSISTOR				
Q201-05	2PC1815(YG)-T	SI.TRANSISTOR		*
Q301-03	2PC1815(YG)-T	SI.TRANSISTOR		*
Q304	2PA1015(YG)-T	SI.TRANSISTOR		*
Q305	2PC1815(YG)-T	SI.TRANSISTOR		*
IC				
IC201	TC4053BP	I.C(DIGI-MOS)		*
IC202	TC4066BP	I.C(DIGI-MOS)		*

TELETEXT PW BOARD ASS'Y (SJX-1T501AU2)

⚠ Symbol No.	Part No.	Part Name	Description			Local
CAPACITOR						
C001	QCT25CH-150Z	C CAP.	15 p F	50V	J	*
C006	QCT25CH-101Z	C CAP.	100 p F	50V	J	*
C007	QCT25CH-150Z	C CAP.	15 p F	50V	J	*
C008	QCT25CH-270Z	C CAP.	27 p F	50V	J	*
C011	QCT25CH-270Z	C CAP.	27 p F	50V	J	*
C014	QCZ0120-104MZ	C CAP.	0.1 μ F	25V	Z	
C015	QEPB1HM-225M	BP E CAP.	2.2 μ F	50V	M	
C016	QAT3661-300M	TRIM CAP.	30 p F			
C101	QCZ0120-104MZ	C CAP.	0.1 μ F	25V	Z	
C203	QCZ0120-104MZ	C CAP.	0.1 μ F	25V	Z	
C204	QETC1HM-106Z	E CAP.	10 μ F	50V	M	*
C205-06	QCT25CH-220Z	C CAP.	22 p F	50V	J	*
COIL						
L001	CELP026-150Z	PEAKING COIL	15 μ H			*
L101-02	CELP026-1R5Z	PEAKING COIL	1.5 μ H			*
L111-15	CELP026-2R2Z	PEAKING COIL	2.2 μ H			*
DIODE						
D101-03	1SS133-T2	SI.DIODE				*
D201	1SS133-T2	SI.DIODE				*
TRANSISTOR						
Q001-03	2PC1815(YG)-T	SI.TRANSISTOR				*
Q101-03	2PC1815(YG)-T	SI.TRANSISTOR				*
Q104	2PA1015(YG)-T	SI.TRANSISTOR				*
Q201	2PC1815(YG)-T	SI.TRANSISTOR				*
IC						
IC001	SAA5231-SGS	I.C(MONO-ANA)				*
IC002	SDA5243	I.C(DIGI-OTHER)				*
IC003	MB8464A-10LLP	I.C(S-RAM)				
IC004	PCB83C654	I.C(MICRO-COMP)*				*
IC008	ST24C02AB1	I.C(EP-ROM)				*
OTHERS						
X001	CE41257-001	CRYSTAL				
X002	CSA6.00MT	CERAMIC FILTER				
X003	CSA12.0MT	CER.RESONATOR				

AV SELECTOR PW BOARD ASS'Y (SJX-1S006AU2)

⚠ Symbol No.	Part No.	Part Name	Description			Local
RESISTOR						
R309	QRB085J-124	NET R	120KΩ	1/8W	J	
R314	QRZ0092-001	NET R	1 Ω	10W	J	
CAPACITOR						
C002-04	QCZ0120-104MZ	C CAP.	0.1μF	25V	Z	*
C006	QFV71HJ-124MZ	TF CAP.	0.12μF	50V	J	*
C104	QCZ0120-104MZ	C CAP.	0.1μF	25V	Z	*
C159	QCZ0120-104MZ	C CAP.	0.1μF	25V	Z	*
C165	QCZ0120-104MZ	C CAP.	0.1μF	25V	Z	*
C309-16	QFV71HJ-224MZ	TF CAP.	0.22μF	50V	J	*
C320	QCZ0120-104MZ	C CAP.	0.1μF	25V	Z	*
C322	QCZ0120-104MZ	C CAP.	0.1μF	25V	Z	*
C330-31	QEN61HM-335Z	BP E CAP.	3.3μF	50V	M	*
COIL						
L101	CELP026-100ZJ2	PEAKING COIL	10μH			*
L302-05	CELP017-5R6Y	PEAKING COIL	5.6μH			*
L306	CE41832-001	LEAD CORE				
L307-10	CELP017-5R6Y	PEAKING COIL	5.6μH			*
DIODE						
D101-03	RD13JS(B)-T2	ZENER DIODE				*
D151-52	RD13JS(B)-T2	ZENER DIODE				*
D155-56	RD13JS(B)-T2	ZENER DIODE				*
D157-58	1SS133-T2	SI.DIODE				*
D201	RD6.2ES(B3)-T2	ZENER DIODE				*
D202-05	RD13JS(B)-T2	ZENER DIODE				*
D301-06	RD13JS(B)-T2	ZENER DIODE				*
D307-08	1SS133-T2	SI.DIODE				*
TRANSISTOR						
Q001-07	2PC1815(YG)-T	SI.TRANSISTOR				*
Q101	2PA1015(YG)-T	SI.TRANSISTOR				*
Q102-03	2PC1815(YG)-T	SI.TRANSISTOR				*
Q104	2PA1015(YG)-T	SI.TRANSISTOR				*
Q105-06	2PC1815(YG)-T	SI.TRANSISTOR				*
Q151-53	2PA1015(YG)-T	SI.TRANSISTOR				*
Q154	2PC1815(YG)-T	SI.TRANSISTOR				*
Q155	2PA1015(YG)-T	SI.TRANSISTOR				*
Q156	2PC1815(YG)-T	SI.TRANSISTOR				*
Q157	2PA1015(YG)-T	SI.TRANSISTOR				*
Q158-59	2PC1815(YG)-T	SI.TRANSISTOR				*
Q161	2PC1815(YG)-T	SI.TRANSISTOR				*
Q201-03	2PC1815(YG)-T	SI.TRANSISTOR				*
Q301-02	2PC1815(YG)-T	SI.TRANSISTOR				*
IC						
IC001-02	HCF4081BE	I.C.				*
IC101	TC4066BP	I.C(DIGI-MOS)				*
IC151-52	TC4066BP	I.C(DIGI-MOS)				*
IC301	TDA1029	I.C.				*
IC302	TC4066BP	I.C(DIGI-MOS)				*
OTHERS						
J001-02	CE40529-009J1	21 PIN SOCKET				*

VIDEO/CHROMA PW BOARD ASS'Y (SJX-1V105AU2)

⚠ Symbol No.	Part No.	Part Name	Description			Local
VARIABLE RESISTOR						
R258	QVPA601-103A	V R(Y LEVEL)	10kΩ B			
R303	QVPA601-472A	V R(PAL SUB COLO	R)4.7kΩ B			
R336	QVPC618-103H	TRIM.R(B-Y ADJ.)	10kΩ B			
R339	QVPC618-105H	TRIM.R(R-Y ADJ.)	1000kΩ B			
R341	QVPA601-103A	V R(PLL ADJ.)	10kΩ B			
R351	QVPA601-102A	V R(PAL DL GAIN)	1kΩ B			
R353	QVPA601-102A	V R(SECAM SUB CO	LOUR)1kΩ B			
R356	QVPA601-102A	V R(SECAM DL GAI	N) 1kΩ B			
R406	QVPA603-473AZ	V R(V.LIN)	47kΩ B			
R412	QVPA603-221AZ	V R(V.HEIGHT)	220 Ω B			
R520	QVPA603-473AZ	V R(H.CENTER)	47kΩ B			
RESISTOR						
⚠ R504	QRV141F-3321AY	MF R	3.32kΩ	1/4W	F	*
⚠ R505	QRV141F-6801AY	MF R	6.8kΩ	1/4W	F	*
R510	QRG029J-101A	OM R	100 Ω	2W	J	
CAPACITOR						
C223-24	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C243	QFLC1HJ-332MZ	M CAP.	3300pF	50V	J	*
C244	QFLC1HJ-682MZ	M CAP.	6800pF	50V	J	*
C260	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C304	QFV71HJ-474MZ	TF CAP.	0.47μF	50V	J	*
C305	QEN61HM-474Z	BP E CAP.	0.47μF	50V	M	*
C306	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C307	QFV71HJ-334MZ	TF CAP.	0.33μF	50V	J	*
C309	QFLC1HJ-272MZ	M CAP.	2700pF	50V	J	*
C310	QEN61VM-475Z	BP E CAP.	4.7μF	35V	M	*
C311	QFLC1HJ-393MZ	M CAP.	0.039μF	50V	J	*
C338	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C350	QFLC1HJ-103MZ	M CAP.	0.01μF	50V	J	*
C352	QFLC1HJ-103MZ	M CAP.	0.01μF	50V	J	*
C357	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C403	QFV71HJ-224MZ	TF CAP.	0.22μF	50V	J	*
C404-05	QFV71HJ-105MZ	TF CAP.	1μF	50V	J	*
C406	QFV71HJ-684MZ	TF CAP.	0.68μF	50V	J	*
C407	QEM61HK-475MZ	E CAP.	4.7μF	50V	K	*
C408	QEM61HK-225MZ	E CAP.	2.2μF	50V	K	*
C409	QFV71HJ-563MZ	TF CAP.	0.056μF	50V	J	*
C501	QFLC1HJ-103MZ	M CAP.	0.01μF	50V	J	*
C503	QFLC1HJ-822MZ	M CAP.	8200pF	50V	J	*
C504	QFV71HJ-684MZ	TF CAP.	0.68μF	50V	J	*
C506	QFV71HJ-104MZ	TF CAP.	0.1μF	50V	J	*
C508	QFLC1HJ-223MZ	M CAP.	0.022μF	50V	J	*
C509	QFLC1HJ-102MZ	M CAP.	1000pF	50V	J	*
C531	QFV71HJ-563MZ	TF CAP.	0.056μF	50V	J	*
TRANSFORMER						
T301	CELT016-006J1	CLOCK TRANSF				*
T302	CE40396-A01J1	DL P.TRANSF.				*
T303	CELT015-007	BELL TRANSF.				
T304	CE41111-001M	C.W.TRANSFORMER				
COIL						
L251	CELP037-560	PEAKING COIL	56μH			
L331	CELP026-101ZJ2	PEAKING COIL	100μH			*
L332	CELP026-8R2ZJ2	PEAKING COIL	8.2μH			*
DIODE						
D201	MA700-T2	SI.DIODE				*
D331	1SS133-T2	SI.DIODE				*
D332	MA4033(M)-T2	ZENER DIODE				*
D333	1SS133-T2	SI.DIODE				*
D334	MA4056(H)-T2	ZENER DIODE				*
D335	MA4082(H)-T2	ZENER DIODE				*
D337	RD2.7ES(B2)-T2	ZENER DIODE				*
D401	1SS133-T2	SI.DIODE				*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	D I O D E				
⚠	D501	MA4068(N)C1-T2	ZENER DIODE		*
	D502	BYD33D-T3	SI.DIODE		*
	D503	MA4120(M)-T2	ZENER DIODE		*
	D504-06	1SS133-T2	SI.DIODE		*
	D507	RD4.7ES(B3)-T2	ZENER DIODE		*
	T R A N S I S T O R				
	Q201-04	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q221-24	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q241	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q242-43	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q251	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q301-02	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q331-33	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q381-84	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q401	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q501-04	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q505	2PA1015(YG)-T	SI.TRANSISTOR		*
	Q506	2PC1815(YG)-T	SI.TRANSISTOR		*
	Q701	2PC1815(YG)-T	SI.TRANSISTOR		*
	I C				
	IC201	M51494L	I.C.		
	IC202	TC4053BP	I.C(DIGI-MOS)		*
	IC203	M52025SP	I.C.		
	IC301	M52026SP	I.C(MONO-ANA)		
	IC302	TDA4565	I.C.		*
	O T H E R S				
	DL301	CE41881-002J1	DELAY LINE		*
⚠	R506	QRH017J-4R7M	F R	4.7 Ω 1W J	
⚠	R901	QRH127J-1R5M	F R	1.5 Ω 1/2W J	
	S301	QSP4H11-C03	PUSH SWITCH	COLOUR SW	
	X301	CE41115-001	CRYSTAL		
	X302	CE41767-001	CRYSTAL		

LED PW BOARD ASS'Y (SJX-8L002AU2)

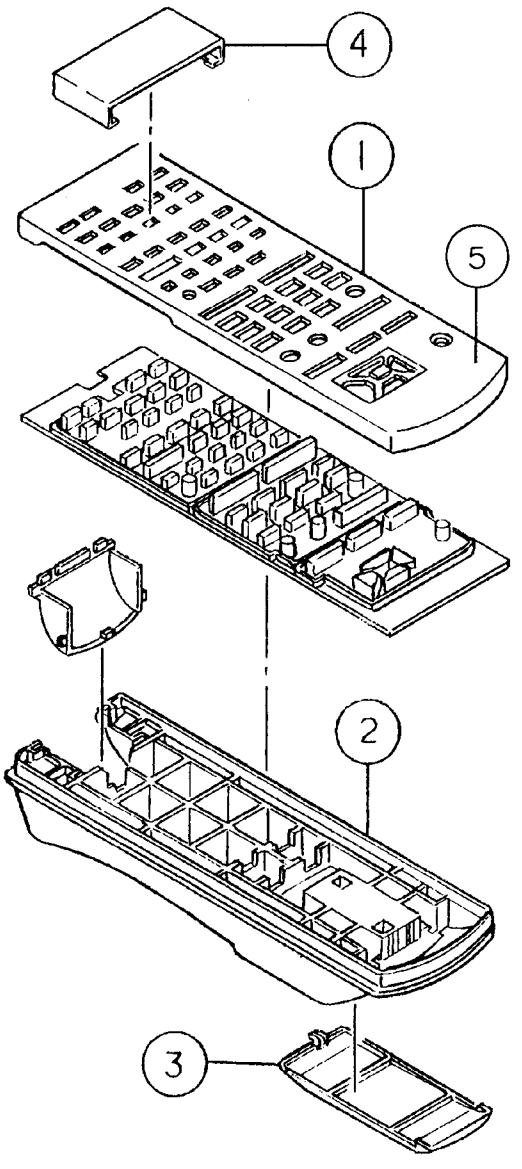
⚠	Symbol No.	Part No.	Part Name	Description	Local
	D I O D E				
	D101	SLR-34YY3F	L.E.D.(YLW)	S Video	
	D102	SLR-34MG3F	L.E.D.	Stereo	
	D103	SLR-34DU3F	L.E.D.	On Timer	
	D104	GL3ED8	L E D 2(G+R)	Power	
	I C				
	IC101	GP1U521R	I.C.		
	O T H E R S				
		CM35755-A01-E	LED HOLDER		*

MODULE PW BOARD PARTS LIST

The following module pw boards are supplied as assemblies.
The component parts only the module pw boards are available only when the parts are listed in the "MODULE PRINTED WIRING BOARD PARTS LIST".

MUTE PW BOARD ASS'Y (SBY-Z002A-U1)

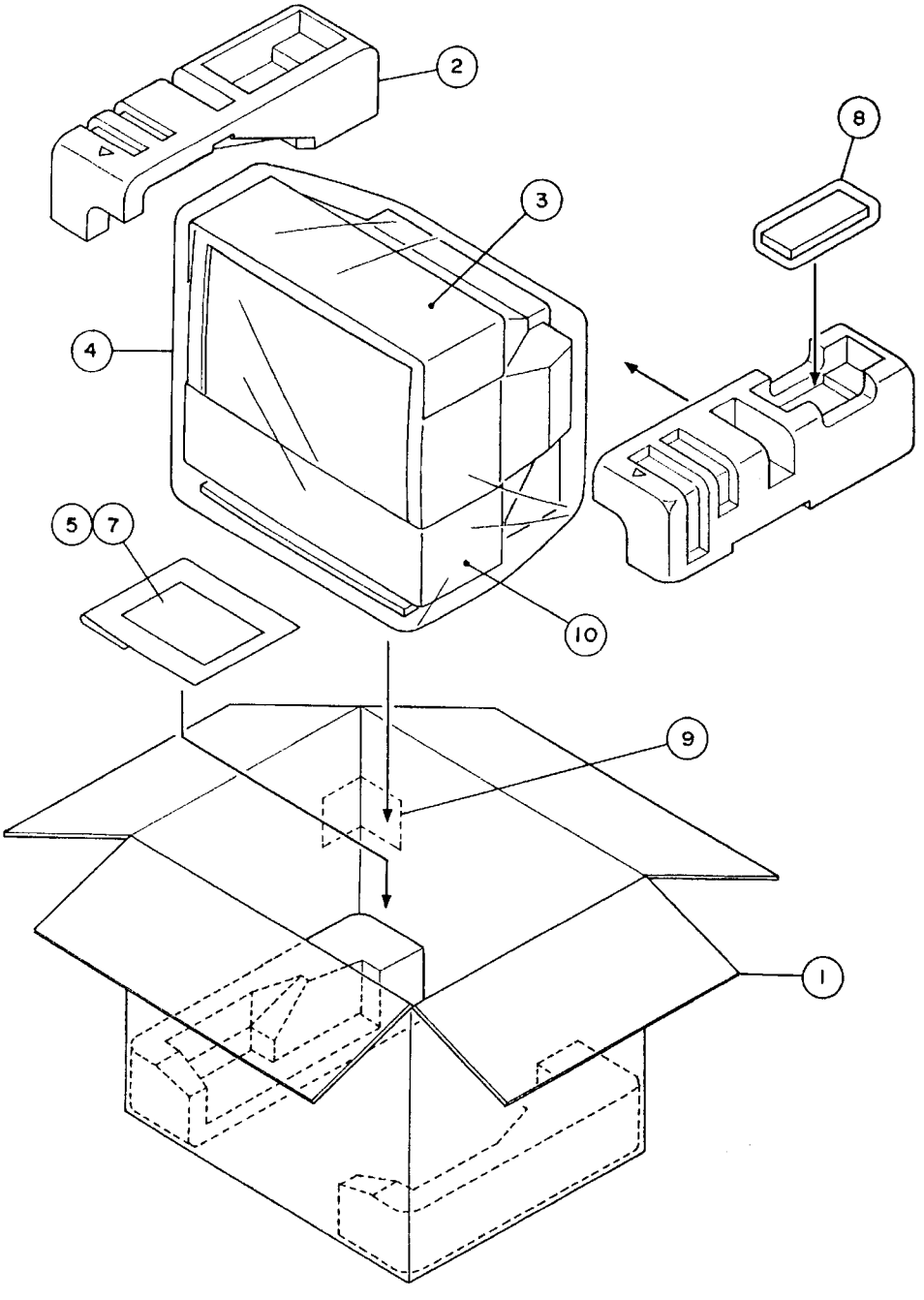
REMOTE CONTROL UNIT



REMOTE CONTROL UNIT PARTS LIST (RM-C860C-E)

⚠ Ref.No.	Part No.	Part Name	Description	Local
1	2R-C0082-01#01	FRONT CASE		*
2	2R-C0082-02#01	BOTTOM CASE		*
3	2R-C0082-03#01	BATTERY COVER		*
4	2R-C0082-05#01	SLIDE COVER		*
5	2R-C0082-10#01	PLATE		*

PACKING



PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description	Local
1	AEM1002-021-E	PACKING CASE		*
2	CP11266-A0A-E	CUSHION ASSY		*
3	CP40193-007-E	CUSHION SHEET		*
4	AEM1004-002-E	POLY BAG		*
5	BT-20066A-E	ADDRESS CARD		*
7	AV-21H1E-IBAE	INST BOOK		*
8	RM-C860C-E	RC HAND PIECE		*
9	AEM1005-085-E	EURO LABEL		*
10	AEM3022-002-E	CUSHION SHEET		*

JVC

VICTOR COMPANY OF JAPAN,LIMITED
TELEVISION RECEIVER DIVISION 1106 Iwai-city,Ibaraki-prefecture,306-06,Japan

AV-21H1E-C

Printed in Japan
9304 V.P.
T.N T.N M.H